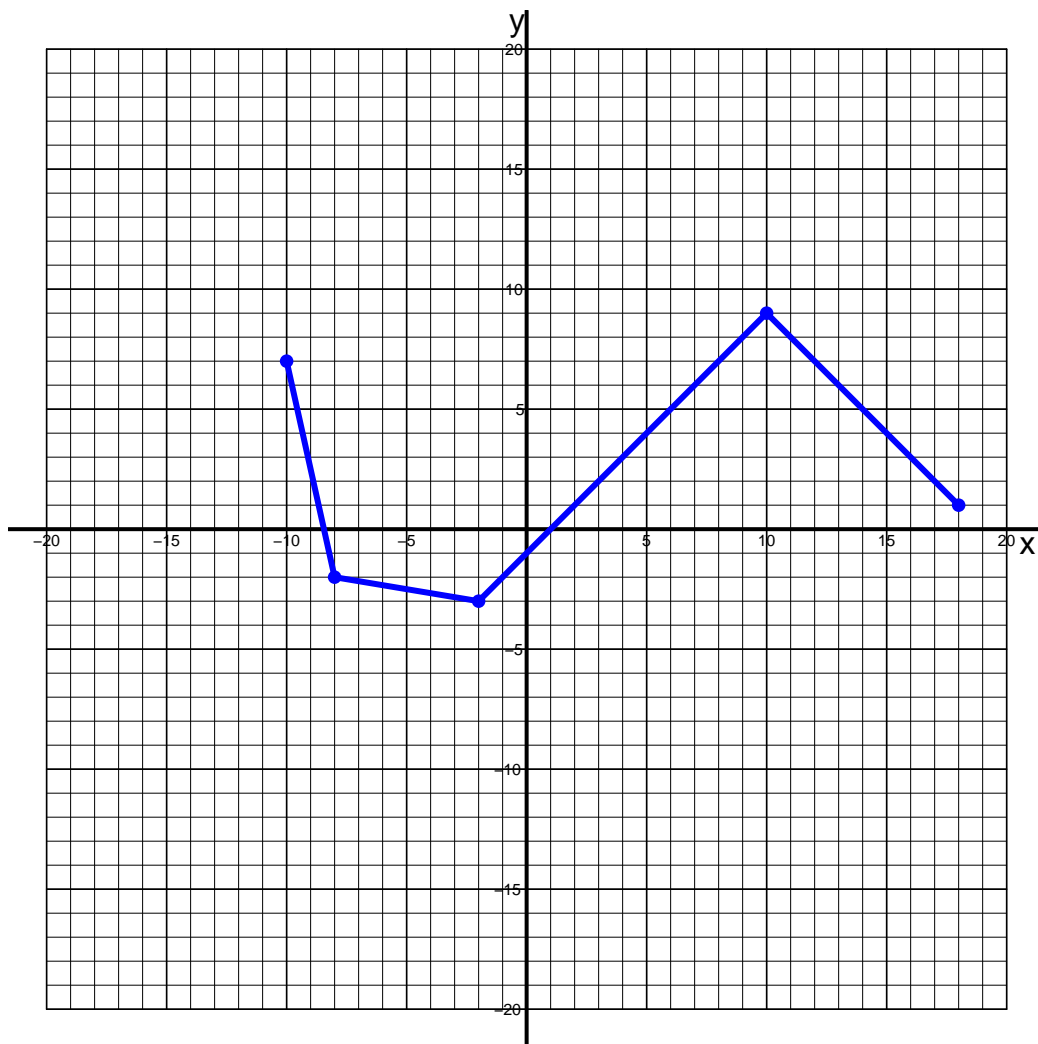


Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 1)

1. Curve  $y = f[x]$  is plotted below.

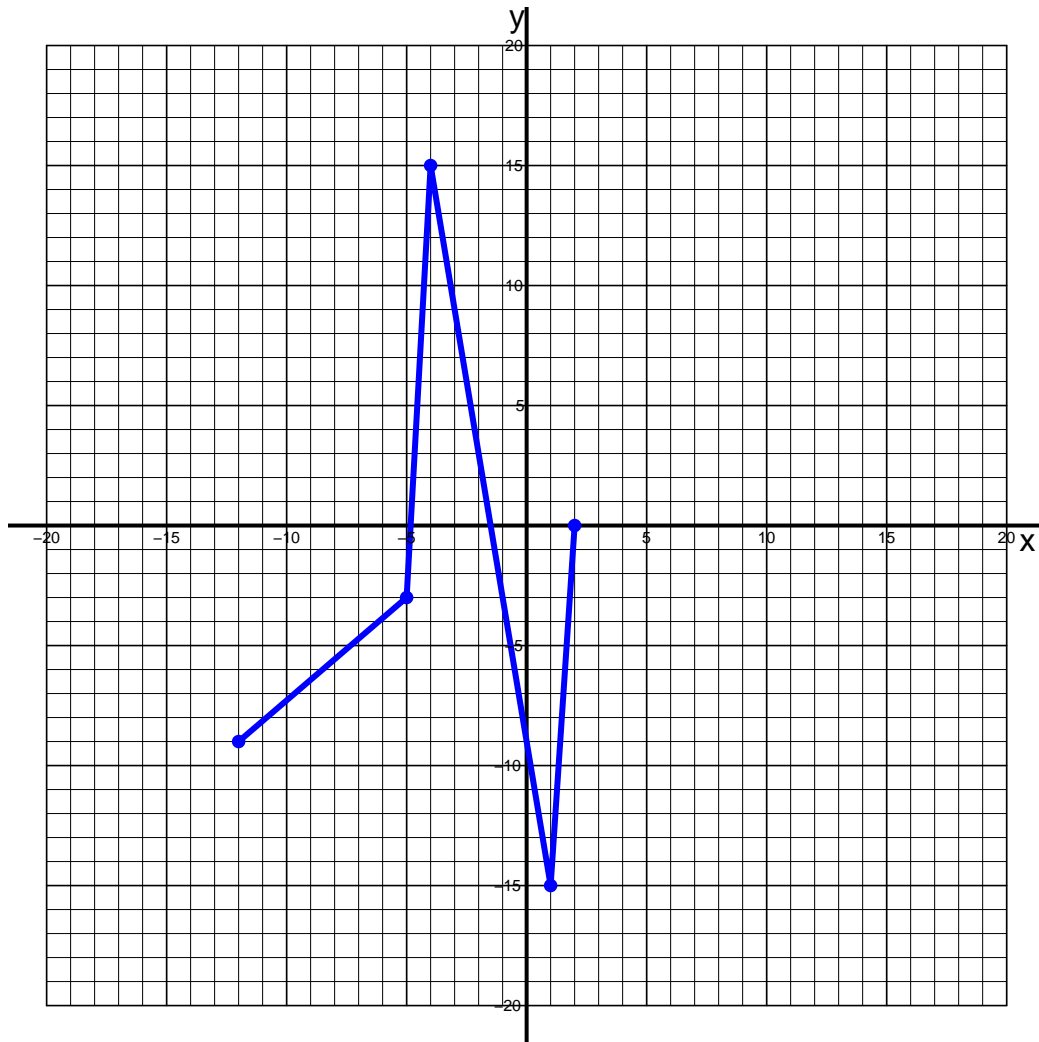


On the same plane, please draw the curve represented by the equation below:

$$y = 3 \cdot f[2(x + 6)] - 8$$

## PCW\_09\_23: Graphing Function Transformations (version 1)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

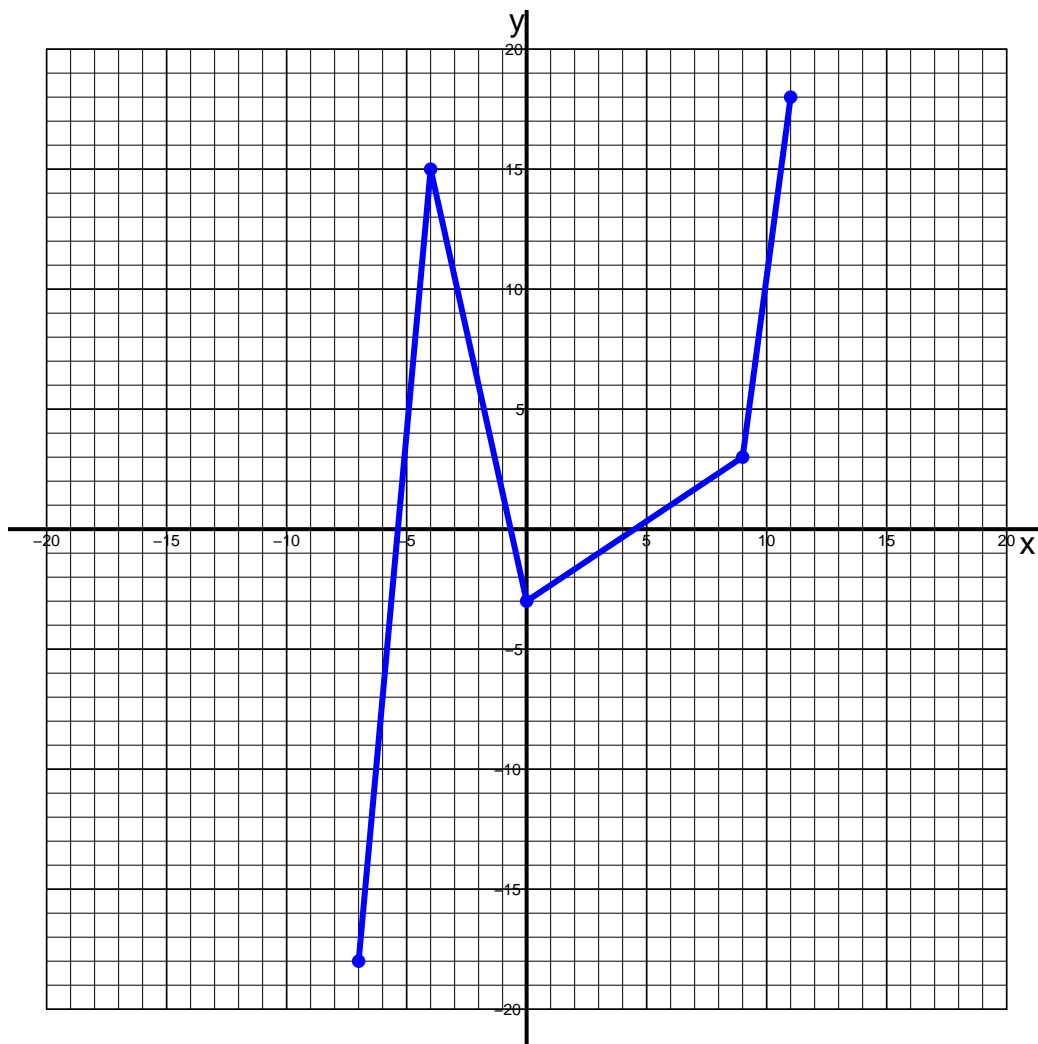
$$y = \frac{f\left[\frac{x}{2} - 7\right] + 6}{3}$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 2)

1. Curve  $y = f[x]$  is plotted below.

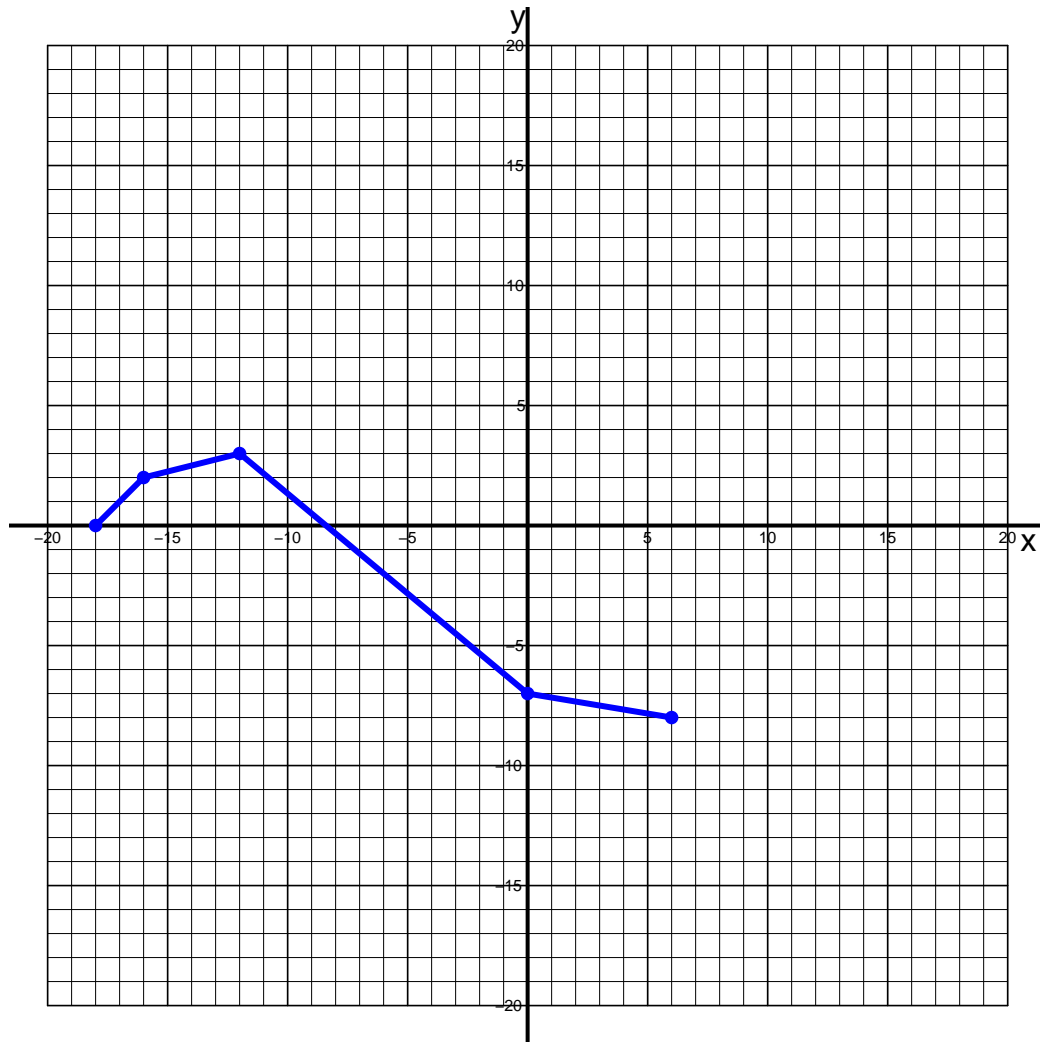


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f\left[\frac{x+5}{2}\right] - 9}{3}$$

## PCW\_09\_23: Graphing Function Transformations (version 2)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

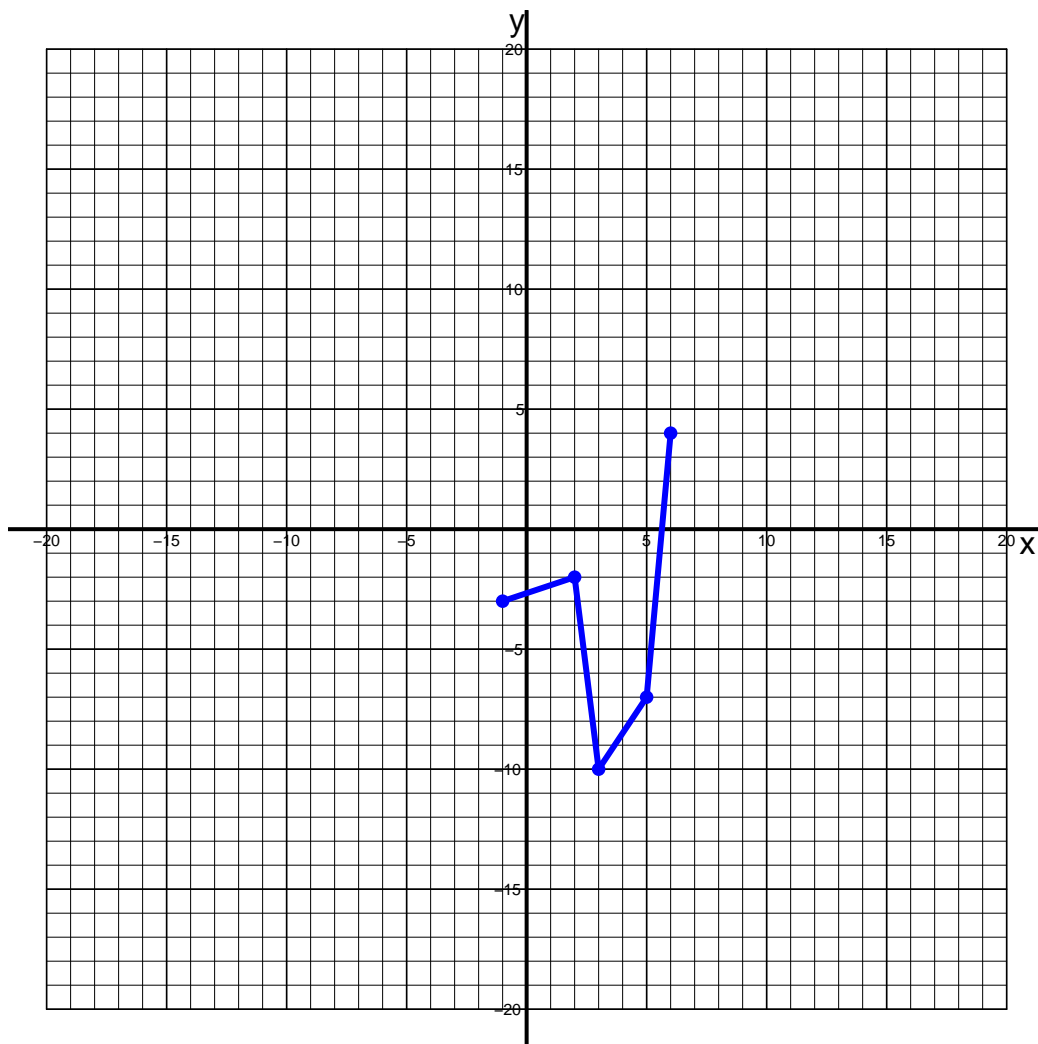
$$y = 3 \cdot f[2x - 6] + 9$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 3)

1. Curve  $y = f[x]$  is plotted below.

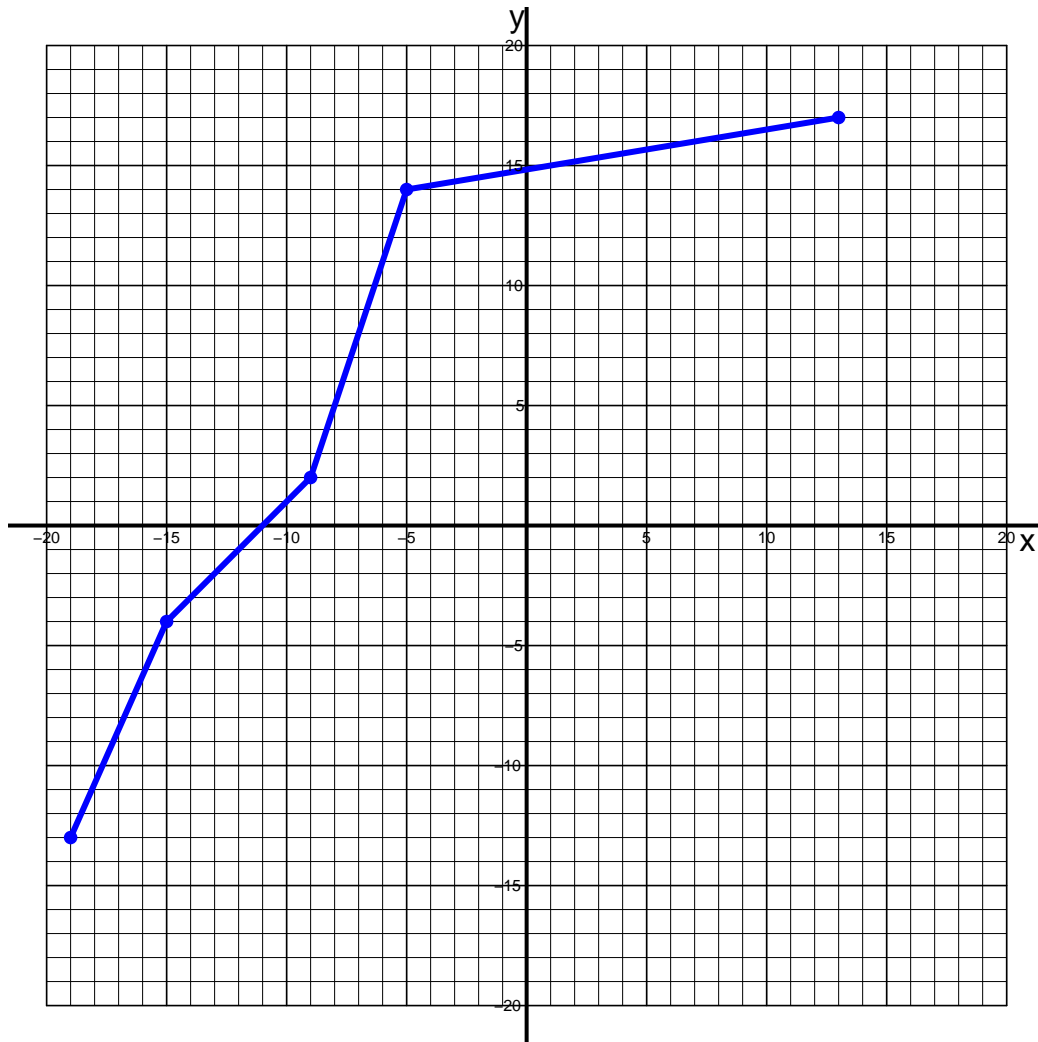


On the same plane, please draw the curve represented by the equation below:

$$y = 2 \cdot f\left[\frac{x+6}{3}\right] + 8$$

## PCW\_09\_23: Graphing Function Transformations (version 3)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

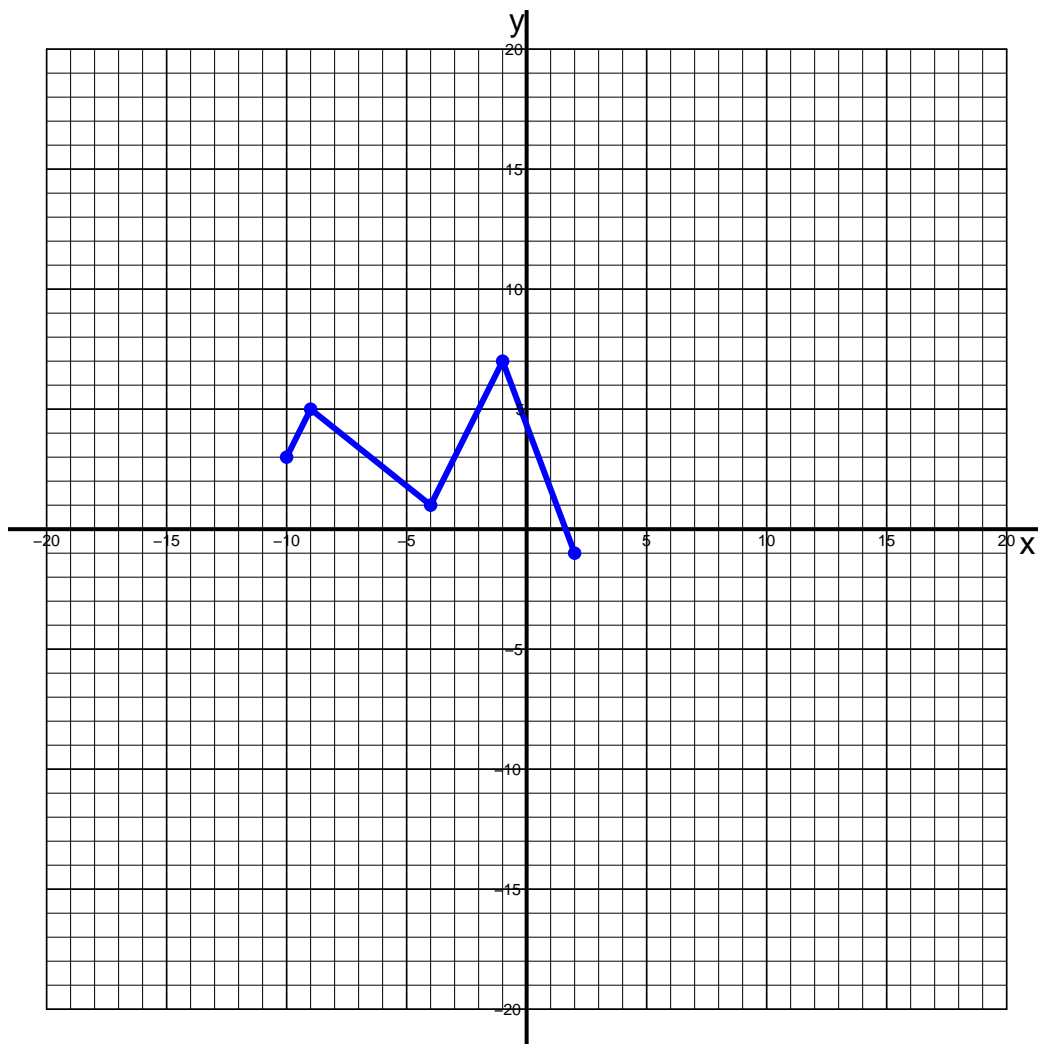
$$y = \frac{f[2x - 7] - 8}{3}$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 4)

1. Curve  $y = f[x]$  is plotted below.

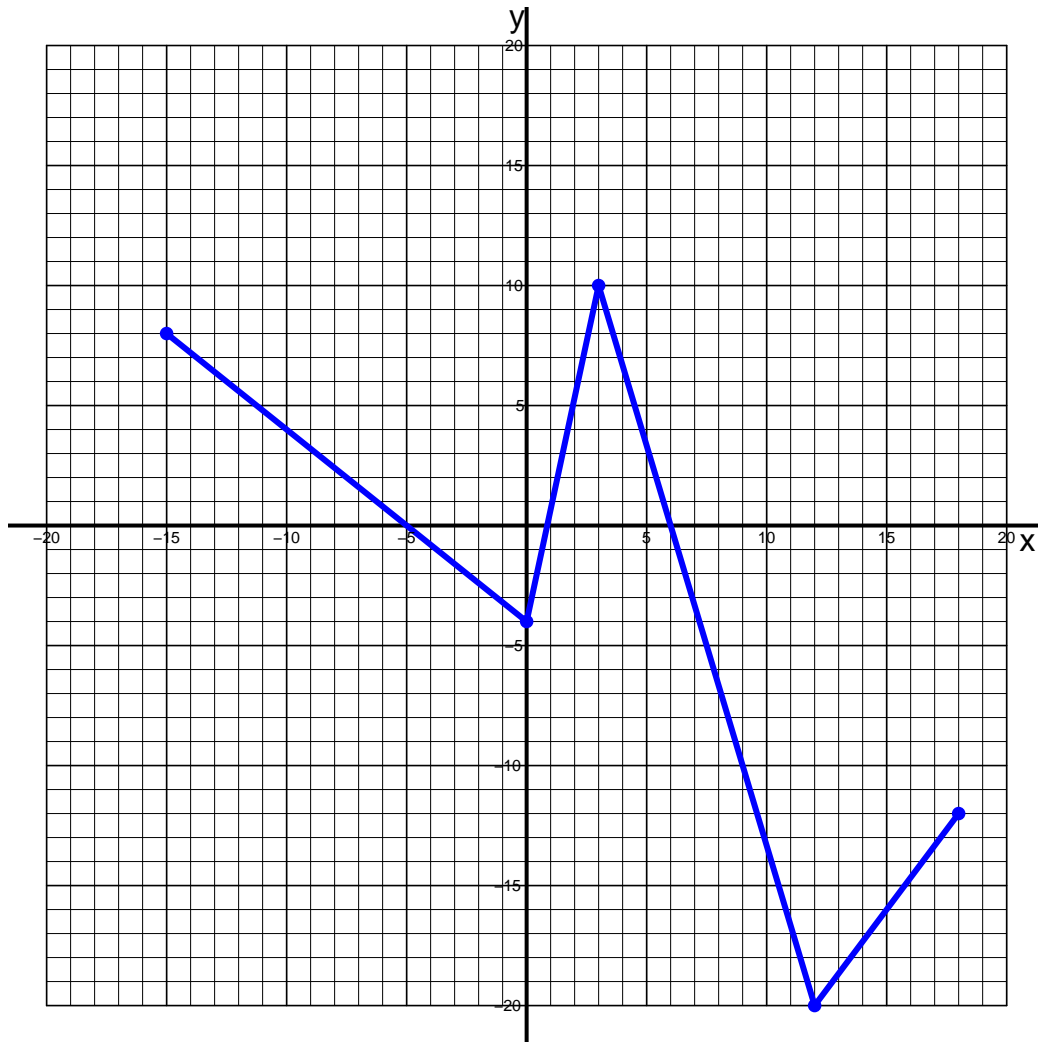


On the same plane, please draw the curve represented by the equation below:

$$y = 3 \cdot \left( f\left[\frac{x}{2} - 8\right] - 5 \right)$$

## PCW\_09\_23: Graphing Function Transformations (version 4)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f[3(x+5)]}{2} + 8$$

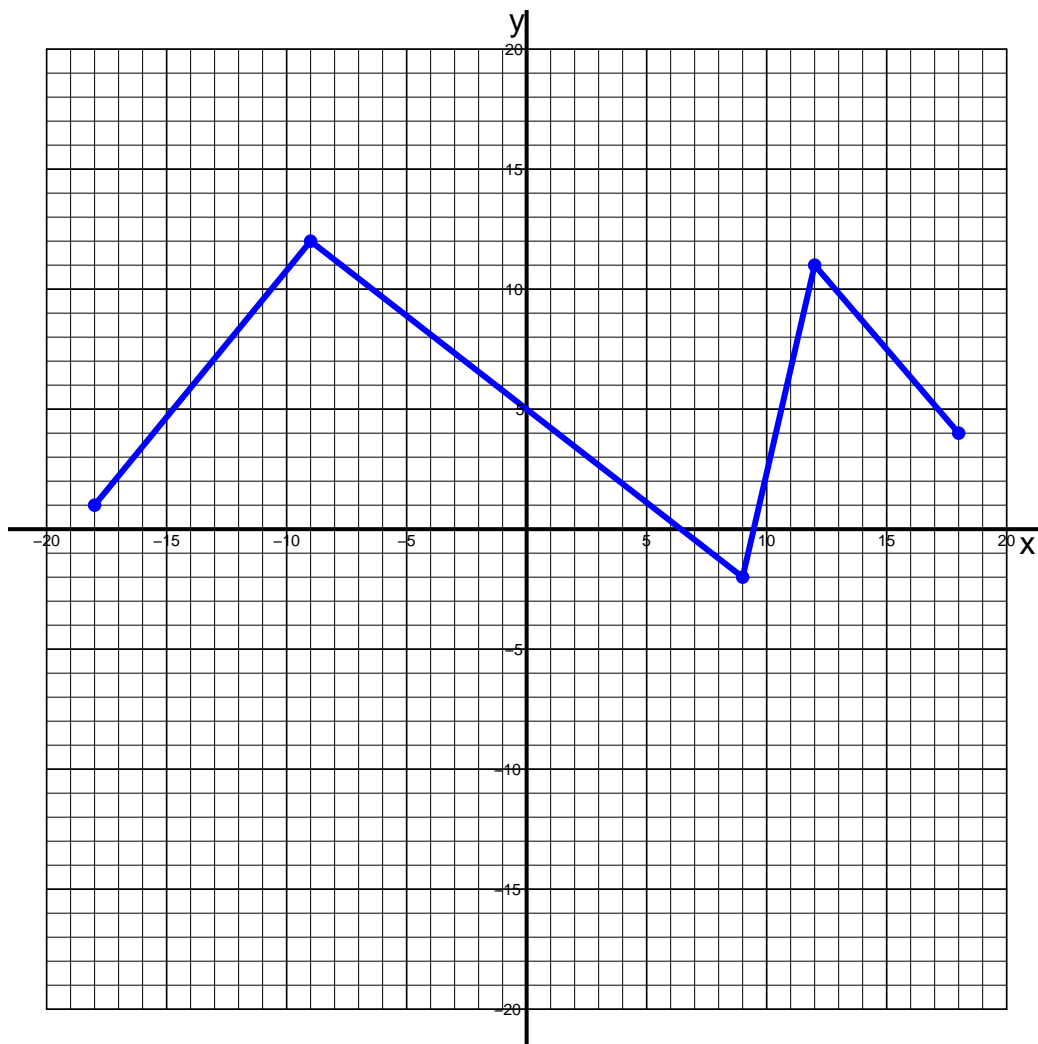


Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 5)

1. Curve  $y = f[x]$  is plotted below.

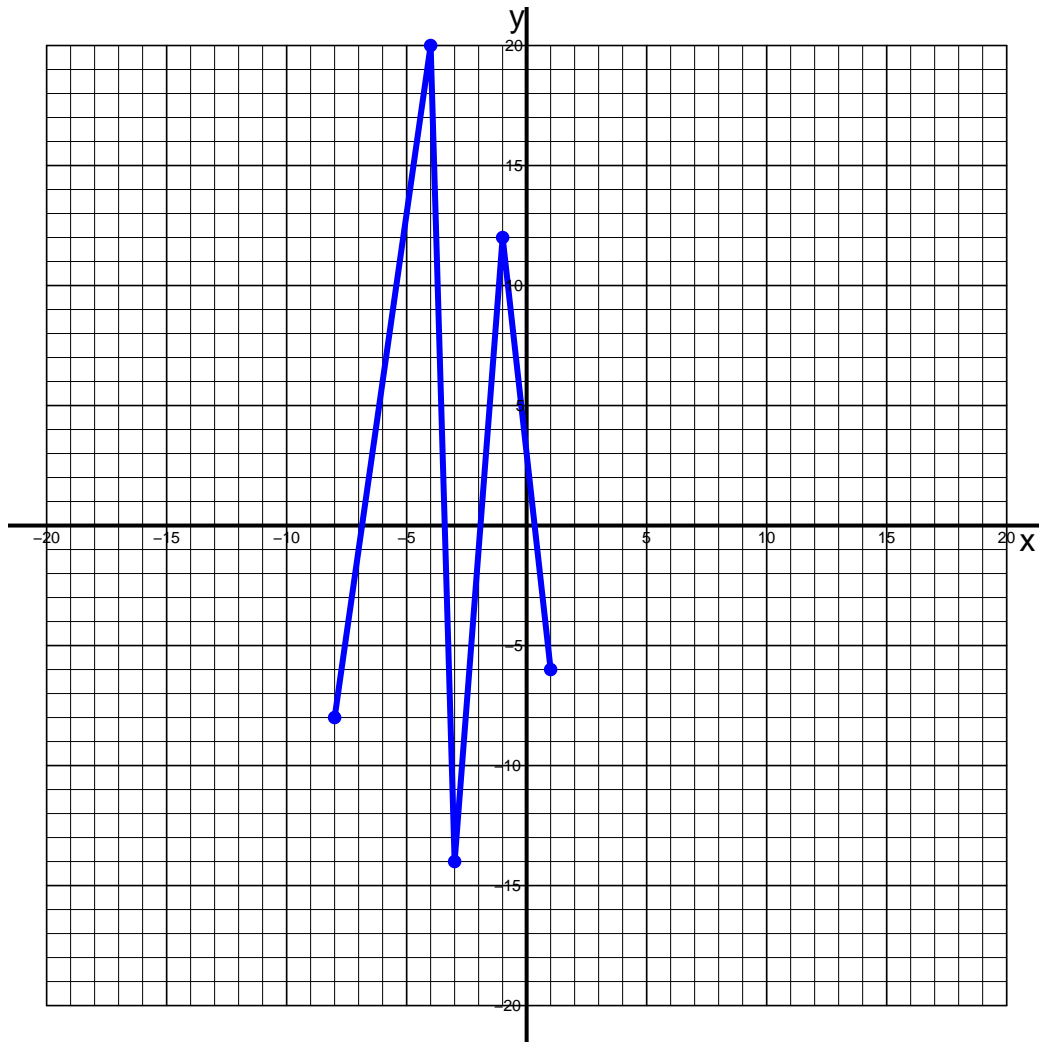


On the same plane, please draw the curve represented by the equation below:

$$y = 2 \cdot (f[3x + 9] - 8)$$

## PCW\_09\_23: Graphing Function Transformations (version 5)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

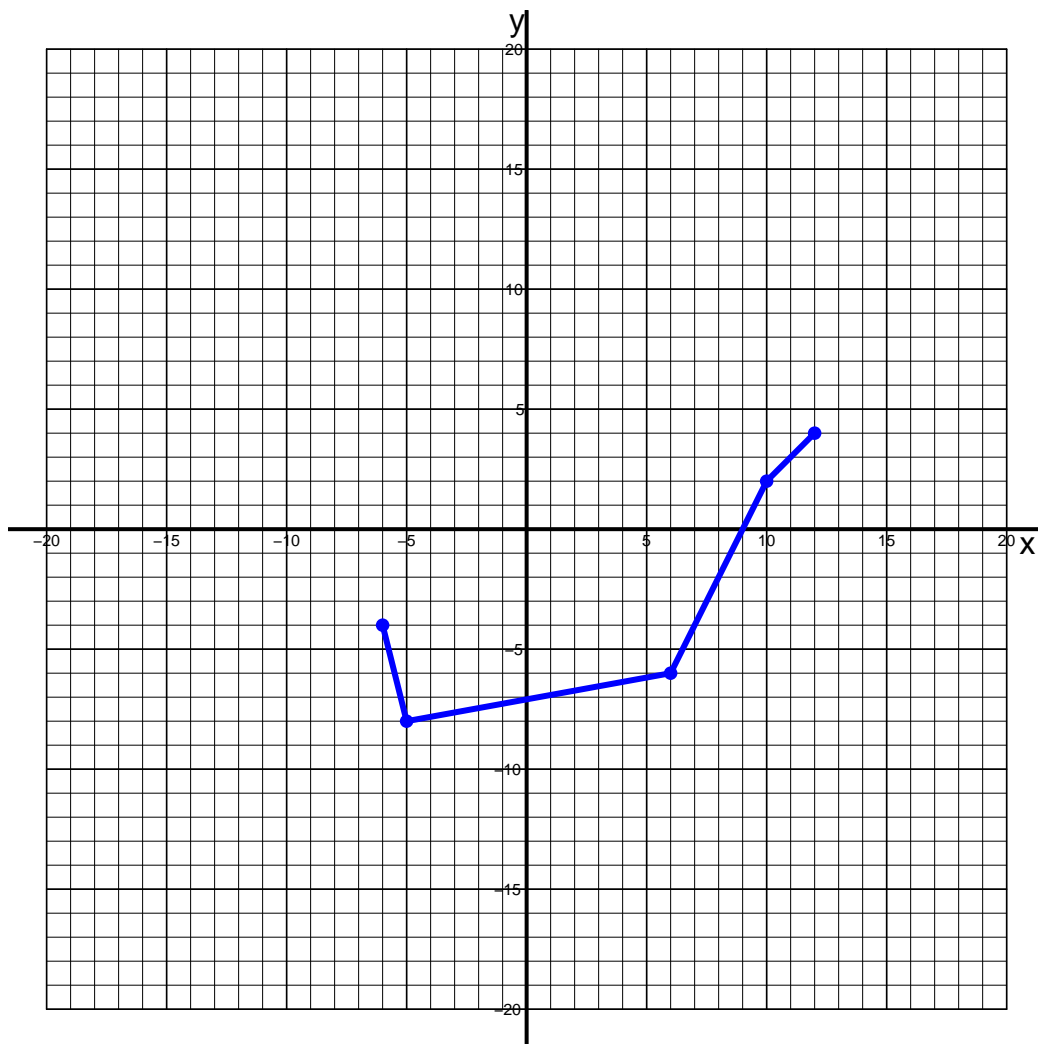
$$y = \frac{f\left[\frac{x-9}{3}\right]}{2} + 5$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 6)

1. Curve  $y = f[x]$  is plotted below.

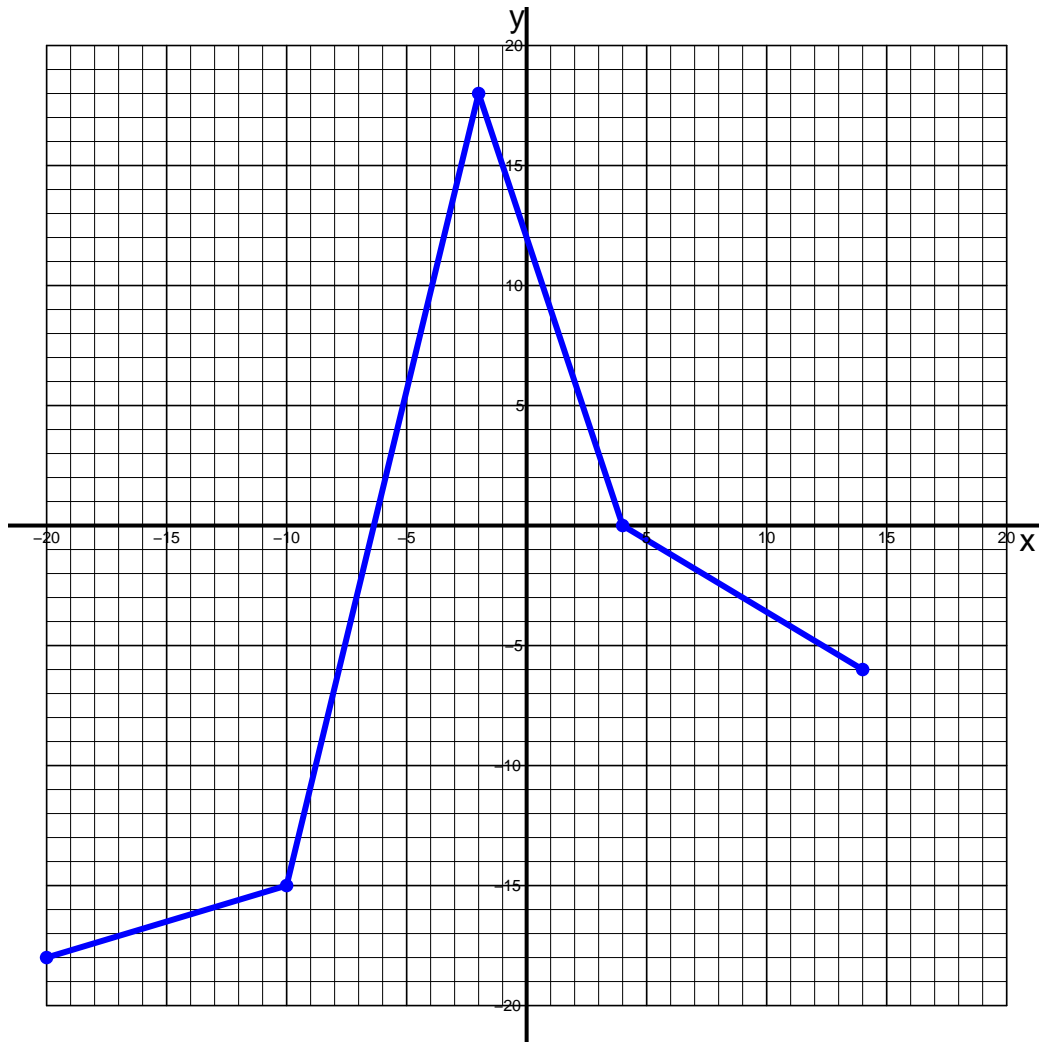


On the same plane, please draw the curve represented by the equation below:

$$y = 3 \cdot f\left[\frac{x+5}{2}\right] + 6$$

## PCW\_09\_23: Graphing Function Transformations (version 6)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

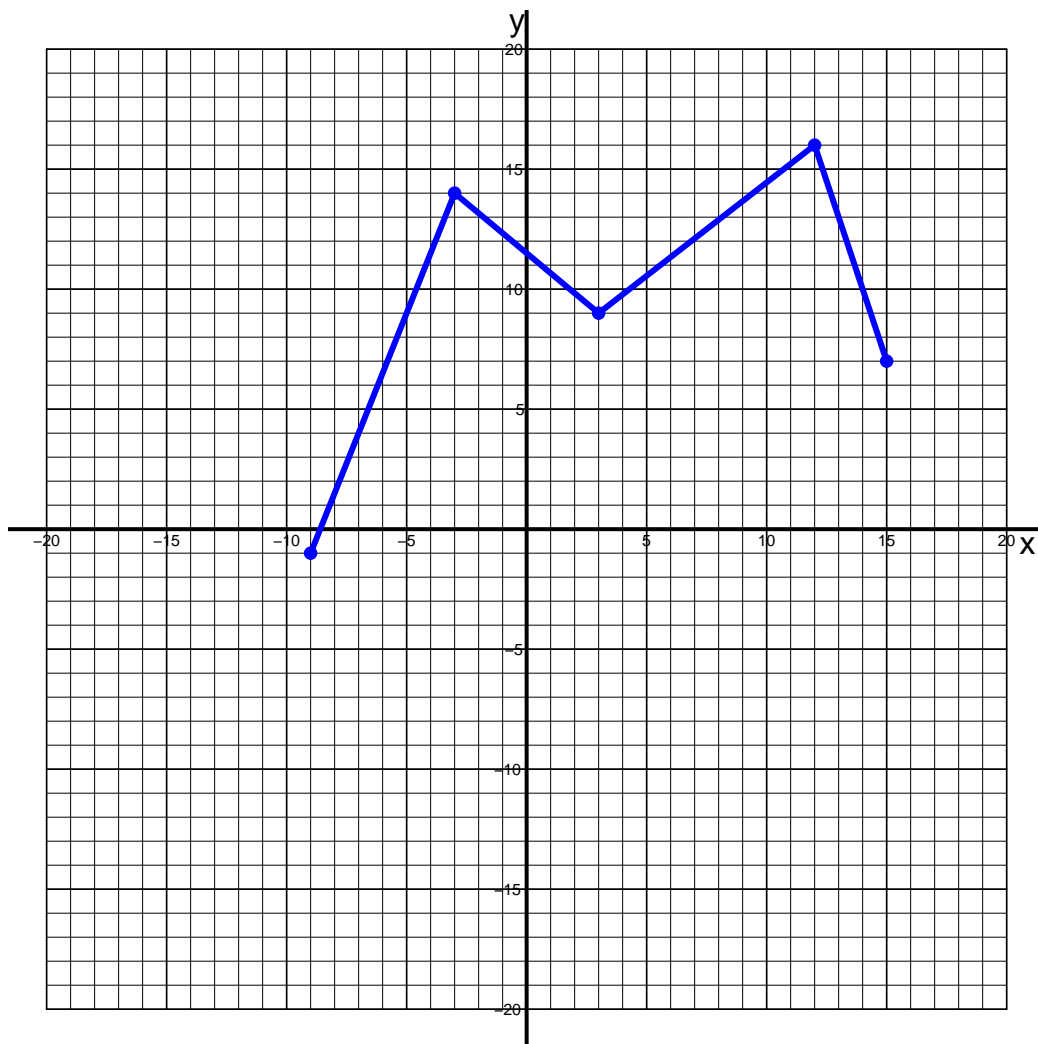
$$y = \frac{f[2x - 8] - 6}{3}$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 7)

1. Curve  $y = f[x]$  is plotted below.

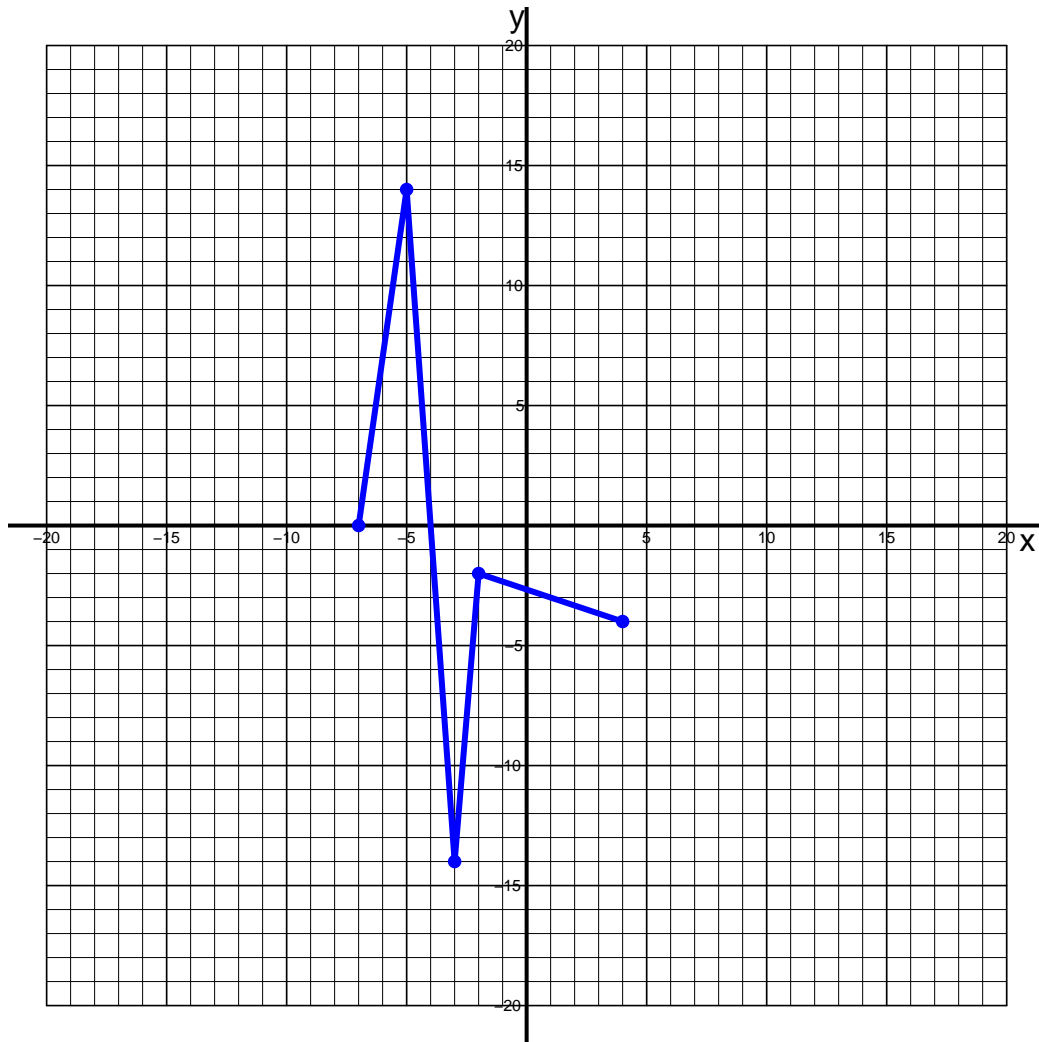


On the same plane, please draw the curve represented by the equation below:

$$y = 2 \cdot (f[3x + 6] - 7)$$

## PCW\_09\_23: Graphing Function Transformations (version 7)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

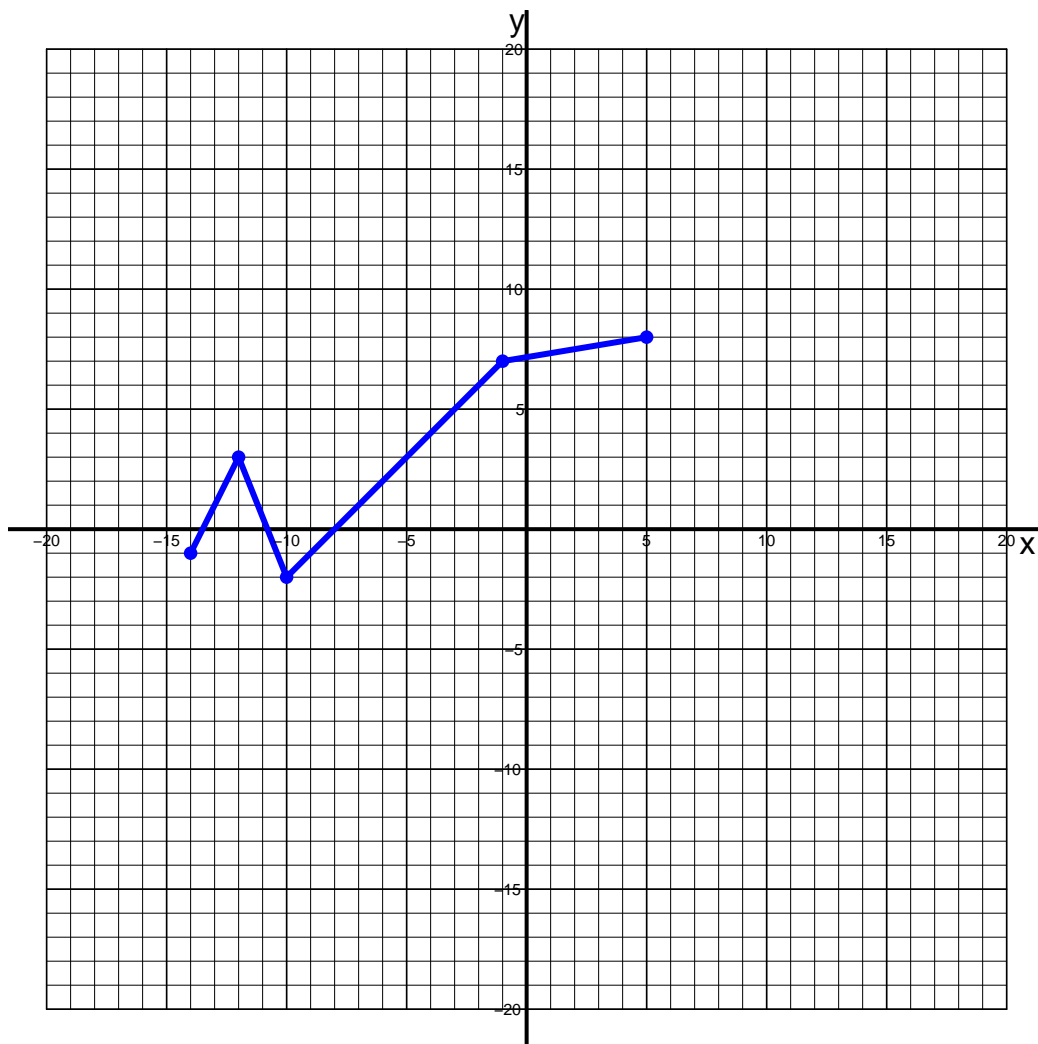
$$y = \frac{f\left[\frac{x-7}{3}\right]}{2} + 5$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 8)

1. Curve  $y = f[x]$  is plotted below.

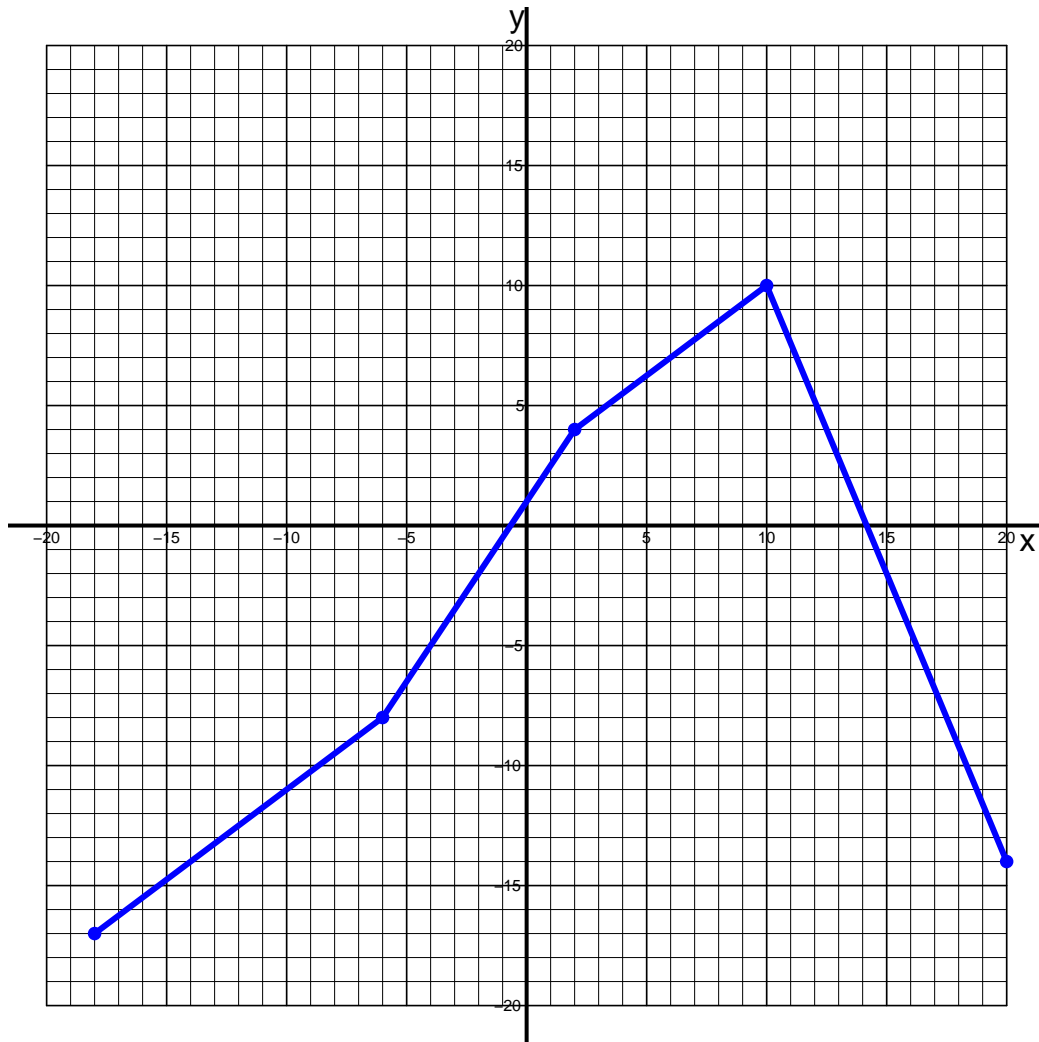


On the same plane, please draw the curve represented by the equation below:

$$y = 3 \cdot f\left[\frac{x}{2} - 5\right] - 8$$

## PCW\_09\_23: Graphing Function Transformations (version 8)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f[2(x + 5)] + 8}{3}$$

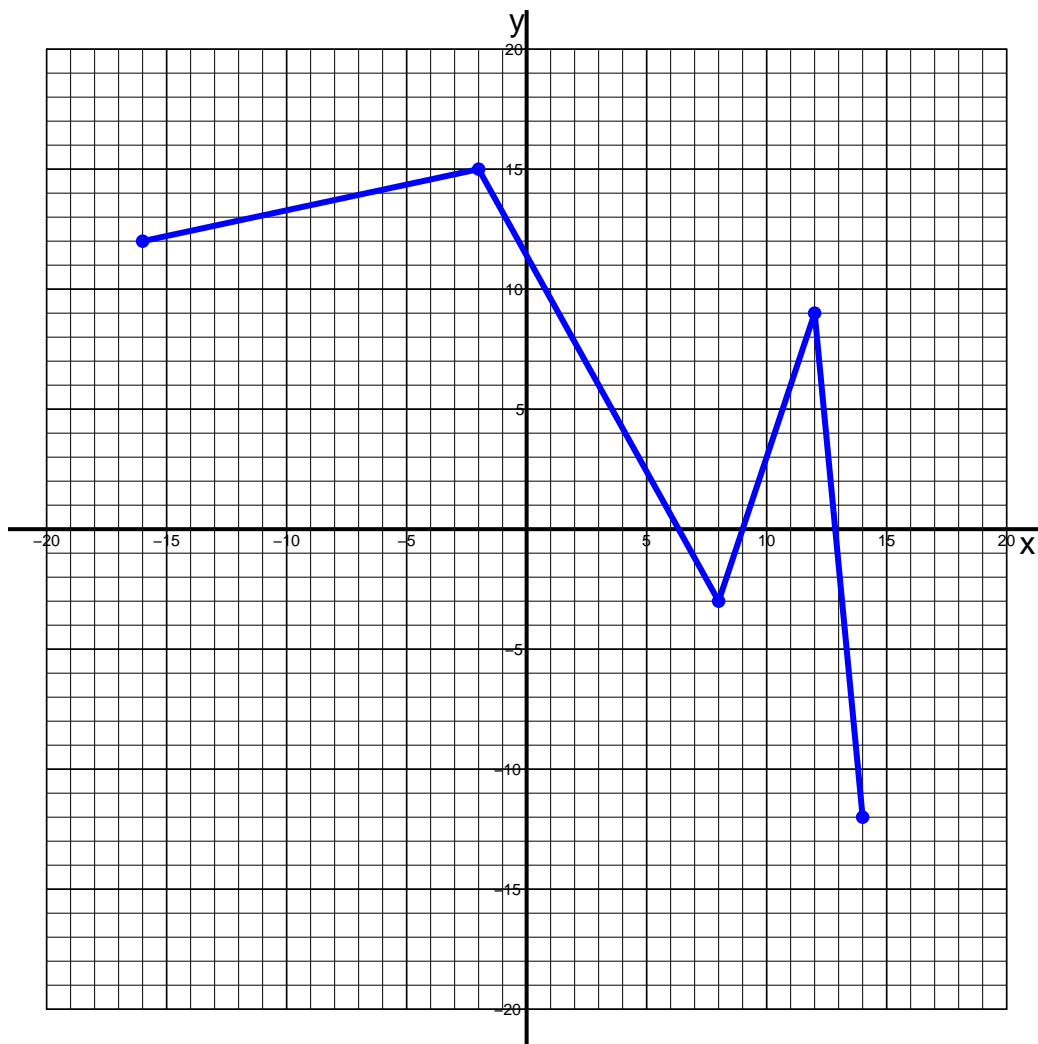


Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 9)

1. Curve  $y = f[x]$  is plotted below.

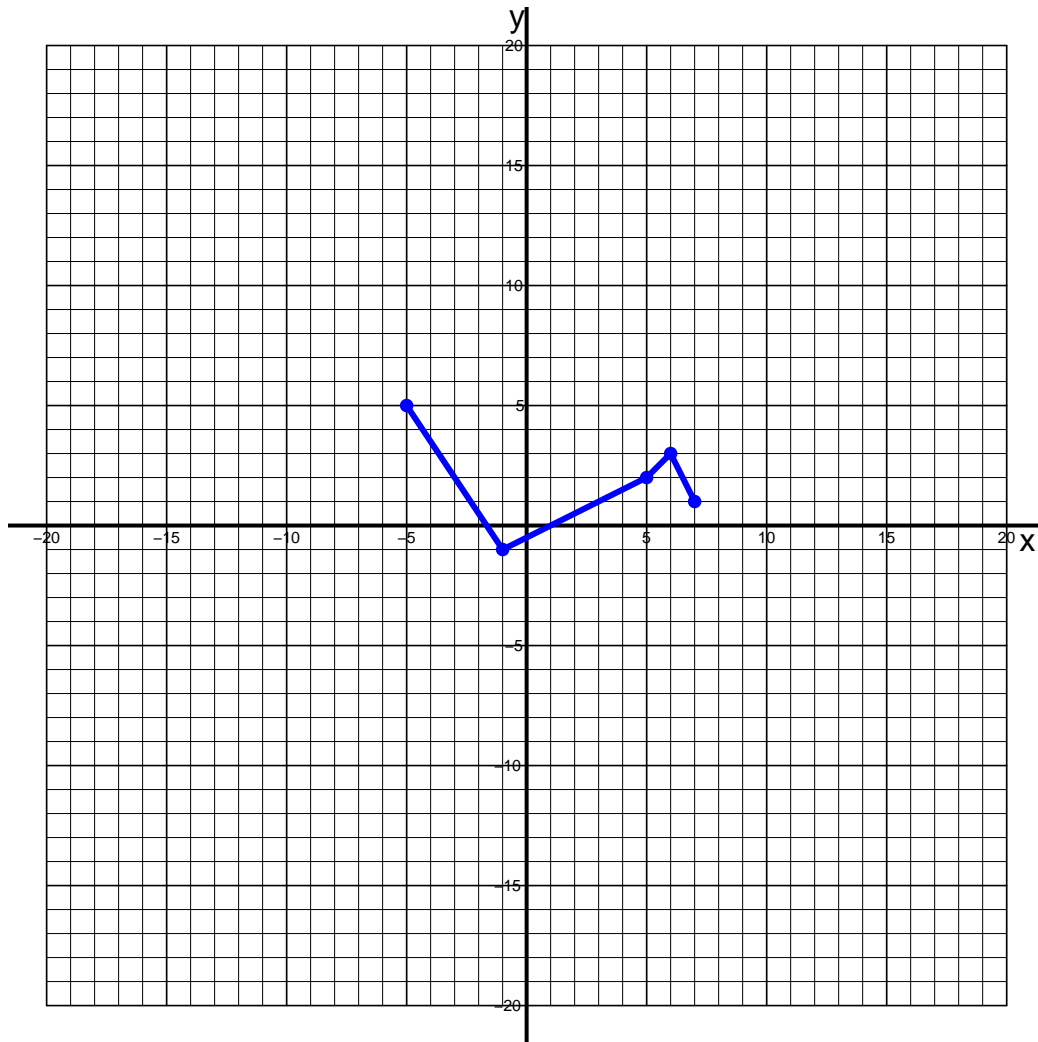


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f[2(x - 7)] + 6}{3}$$

## PCW\_09\_23: Graphing Function Transformations (version 9)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

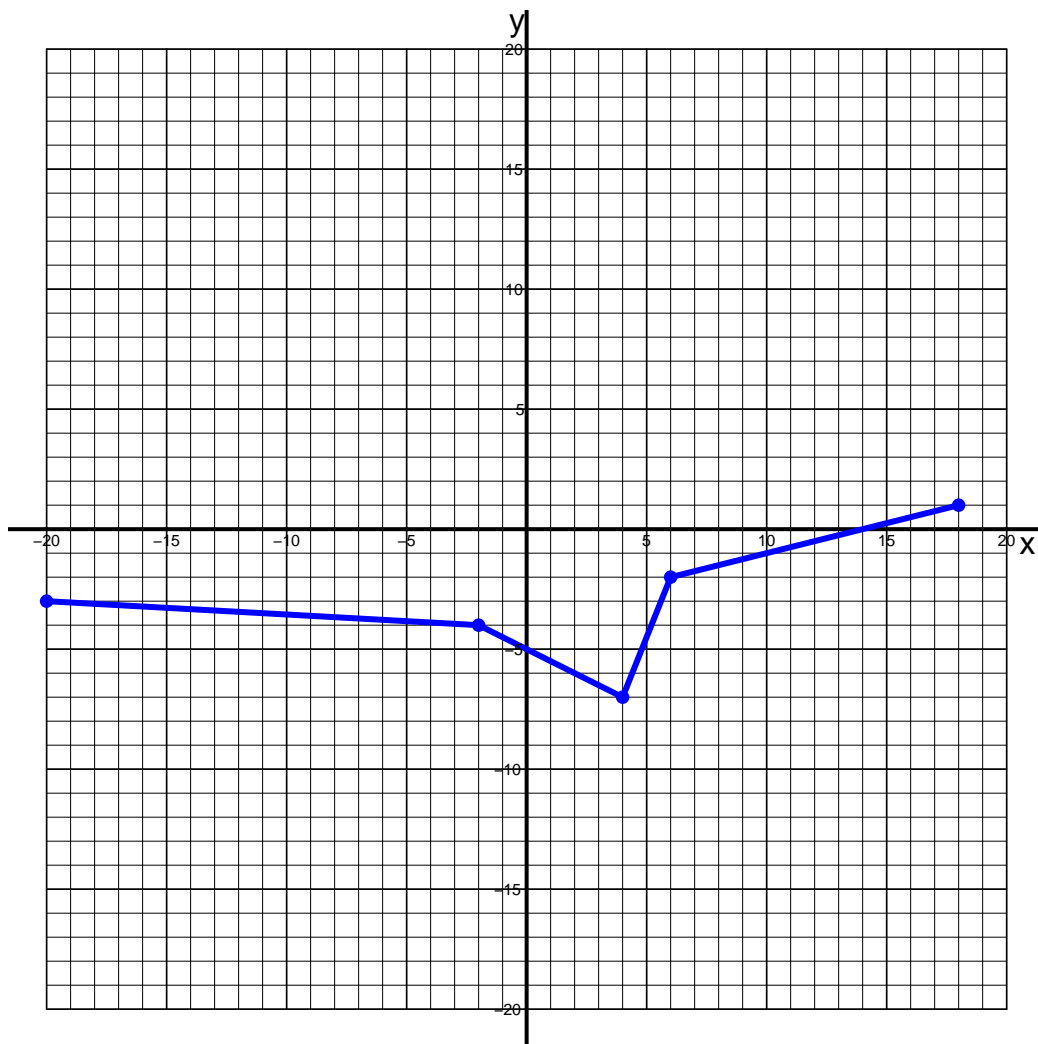
$$y = 3 \cdot f\left[\frac{x}{2} + 5\right] - 8$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 10)

1. Curve  $y = f[x]$  is plotted below.

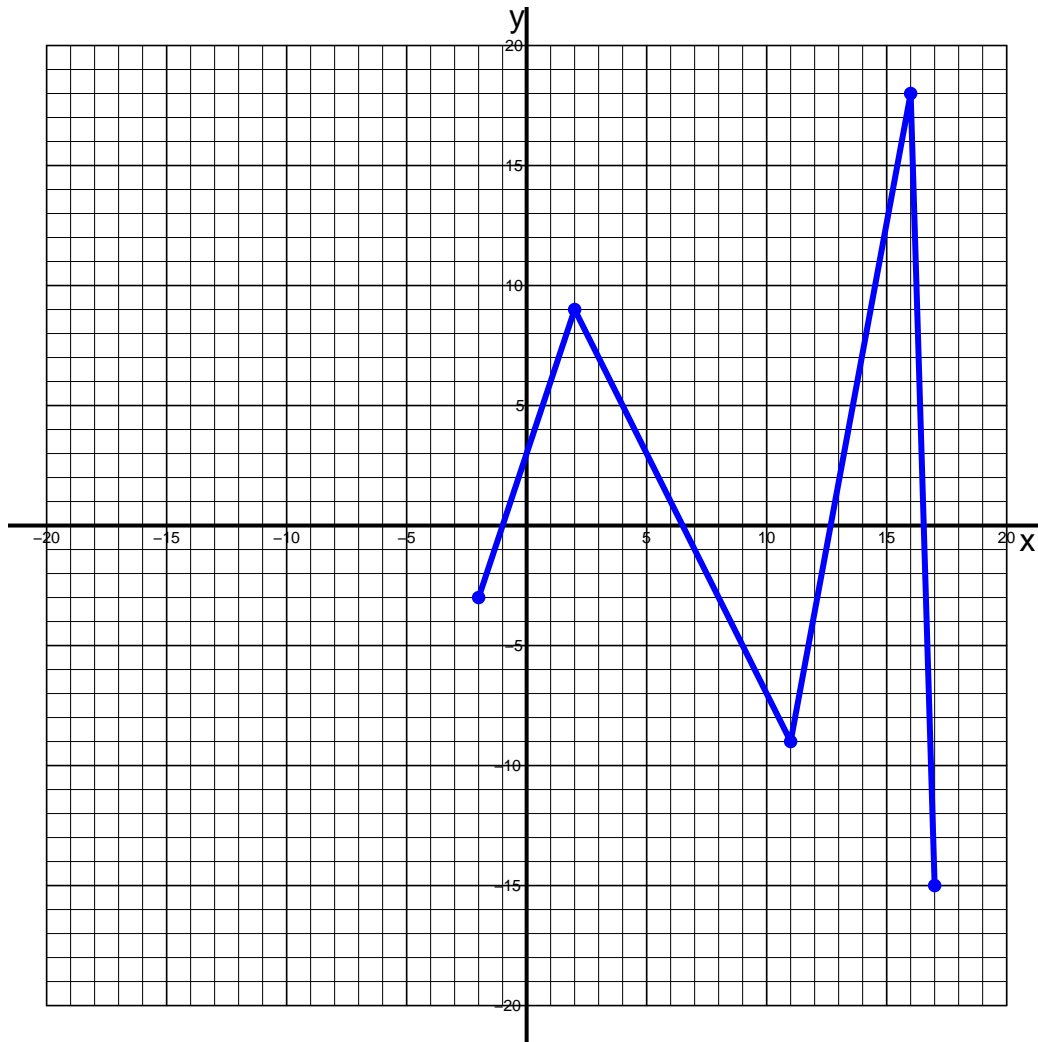


On the same plane, please draw the curve represented by the equation below:

$$y = 3 \cdot (f[2(x - 6)] + 5)$$

## PCW\_09\_23: Graphing Function Transformations (version 10)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

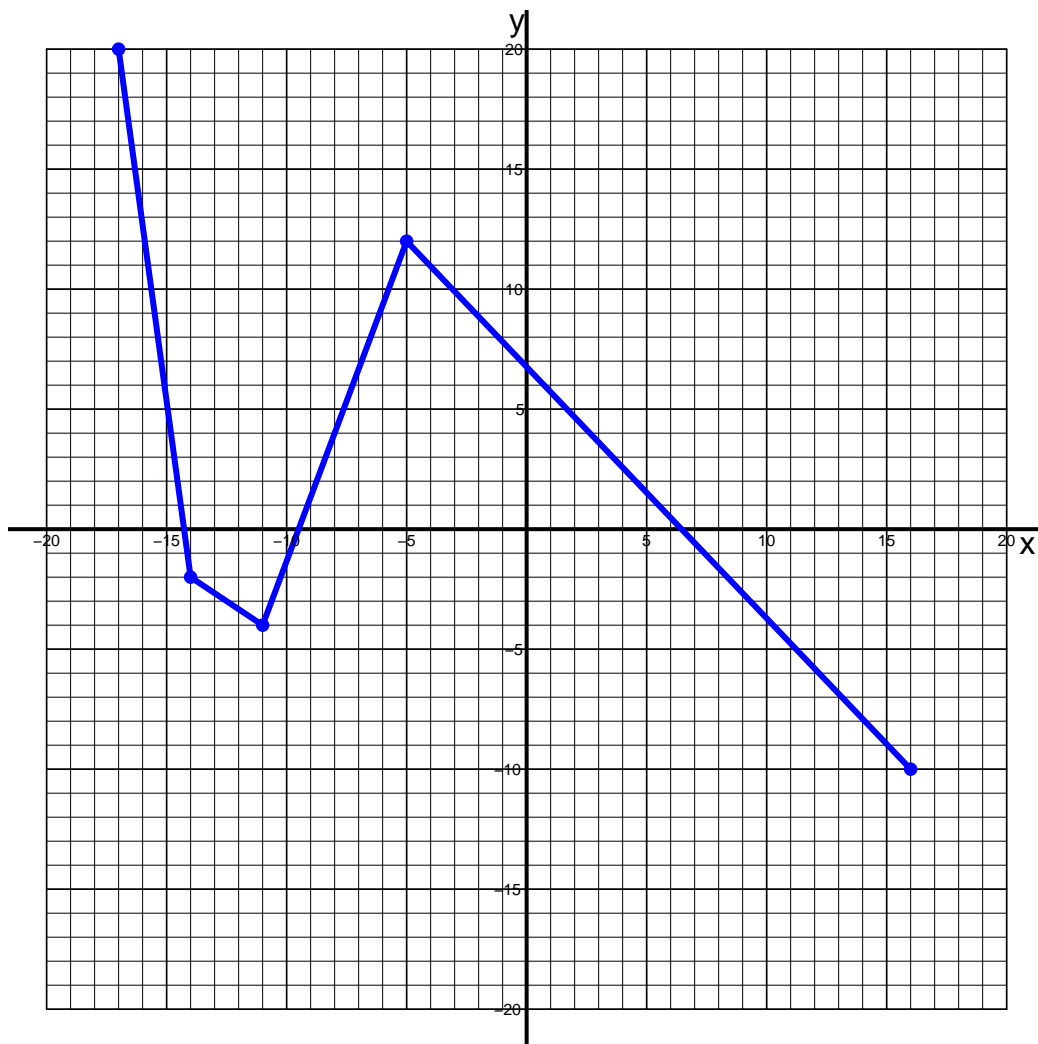
$$y = \frac{f\left[\frac{x}{2} + 8\right]}{3} - 5$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 11)

1. Curve  $y = f[x]$  is plotted below.

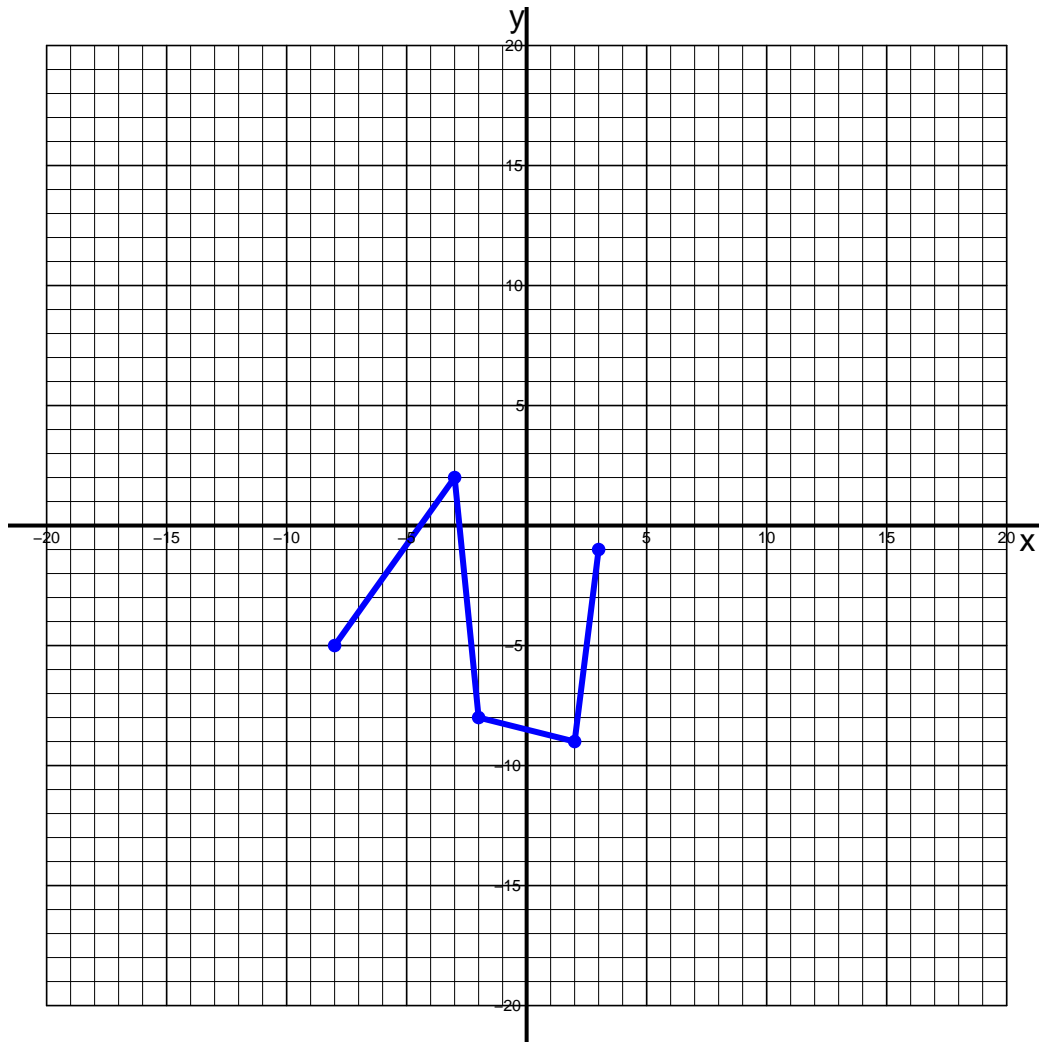


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f[3x + 7]}{2} - 9$$

## PCW\_09\_23: Graphing Function Transformations (version 11)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

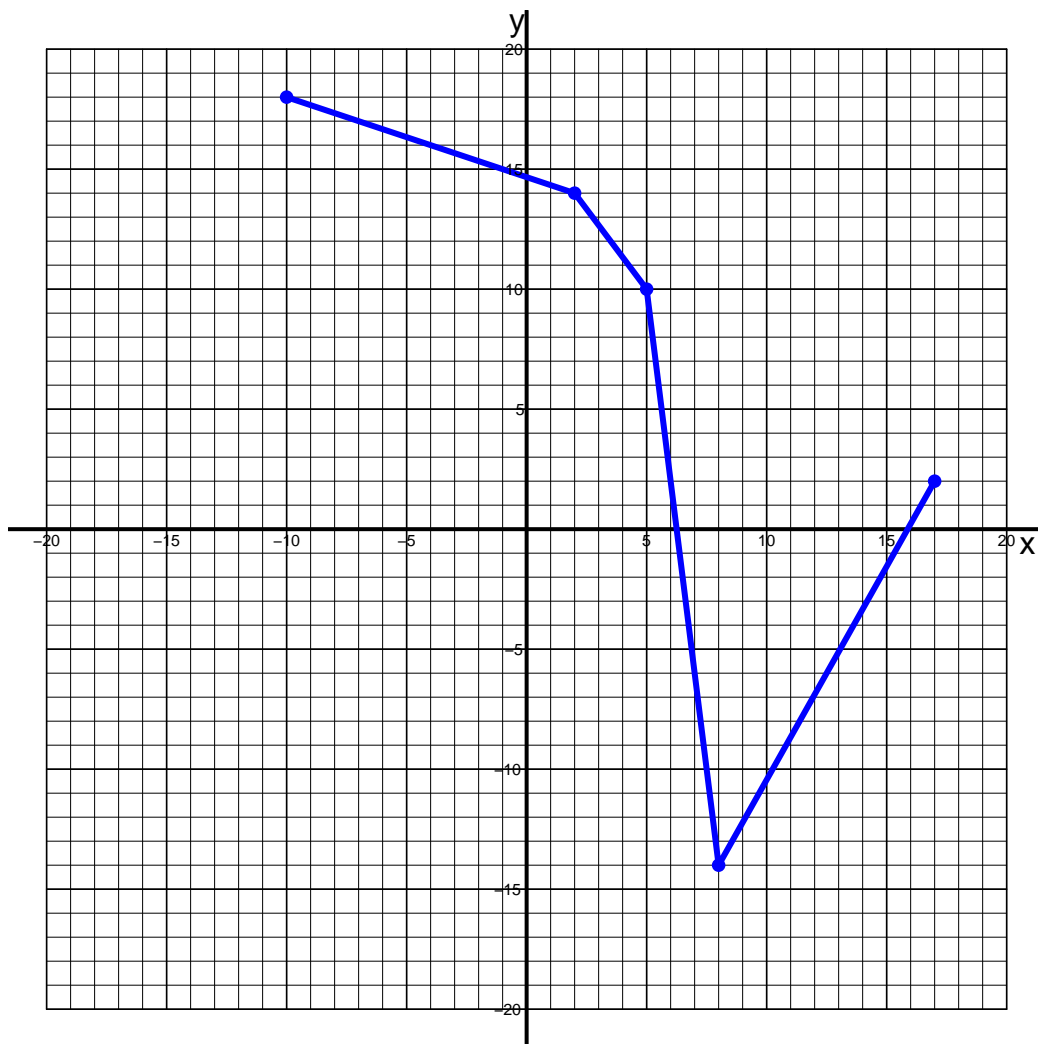
$$y = 2 \cdot \left( f \left[ \frac{x-8}{3} \right] + 5 \right)$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 12)

1. Curve  $y = f[x]$  is plotted below.

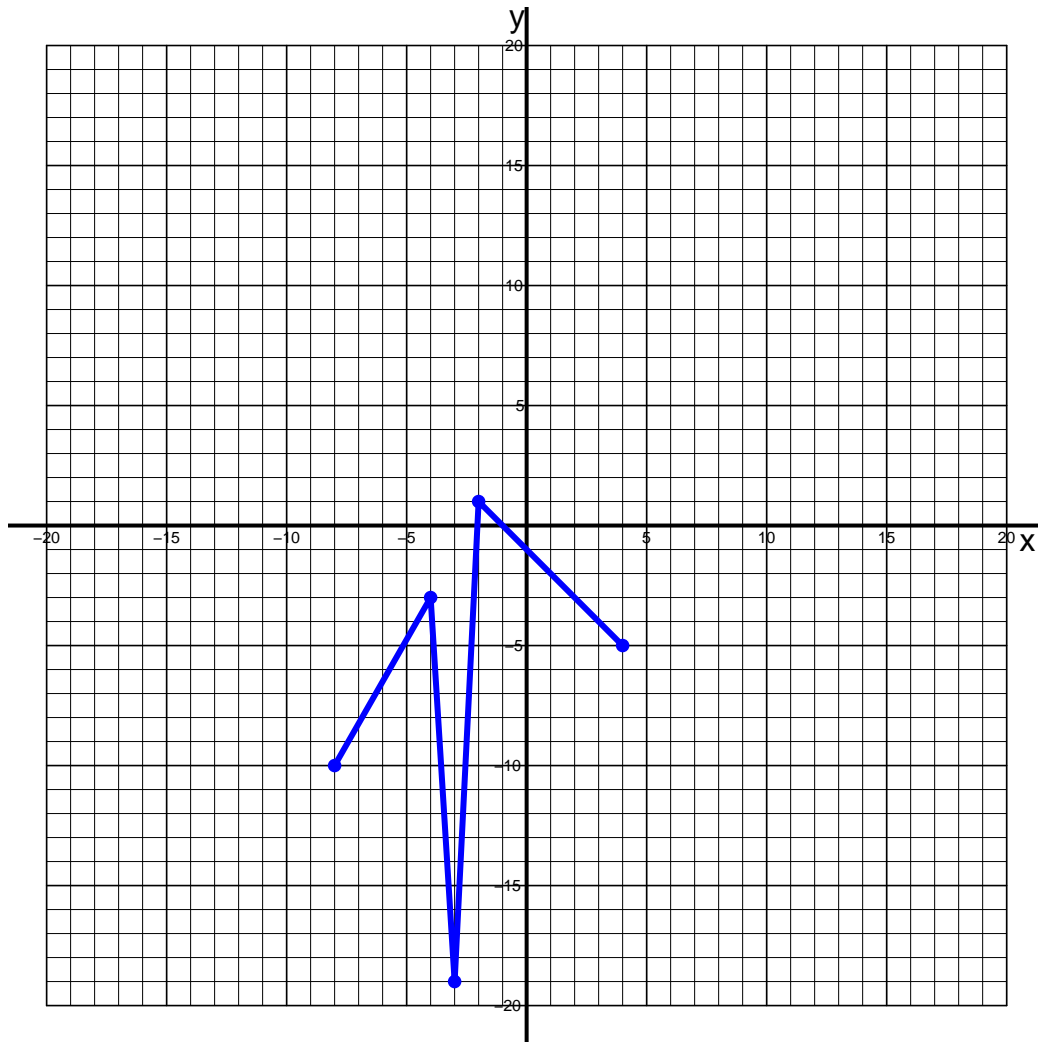


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f[3x + 8]}{2} - 6$$

## PCW\_09\_23: Graphing Function Transformations (version 12)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

$$y = 2 \cdot \left( f \left[ \frac{x-5}{3} \right] + 9 \right)$$

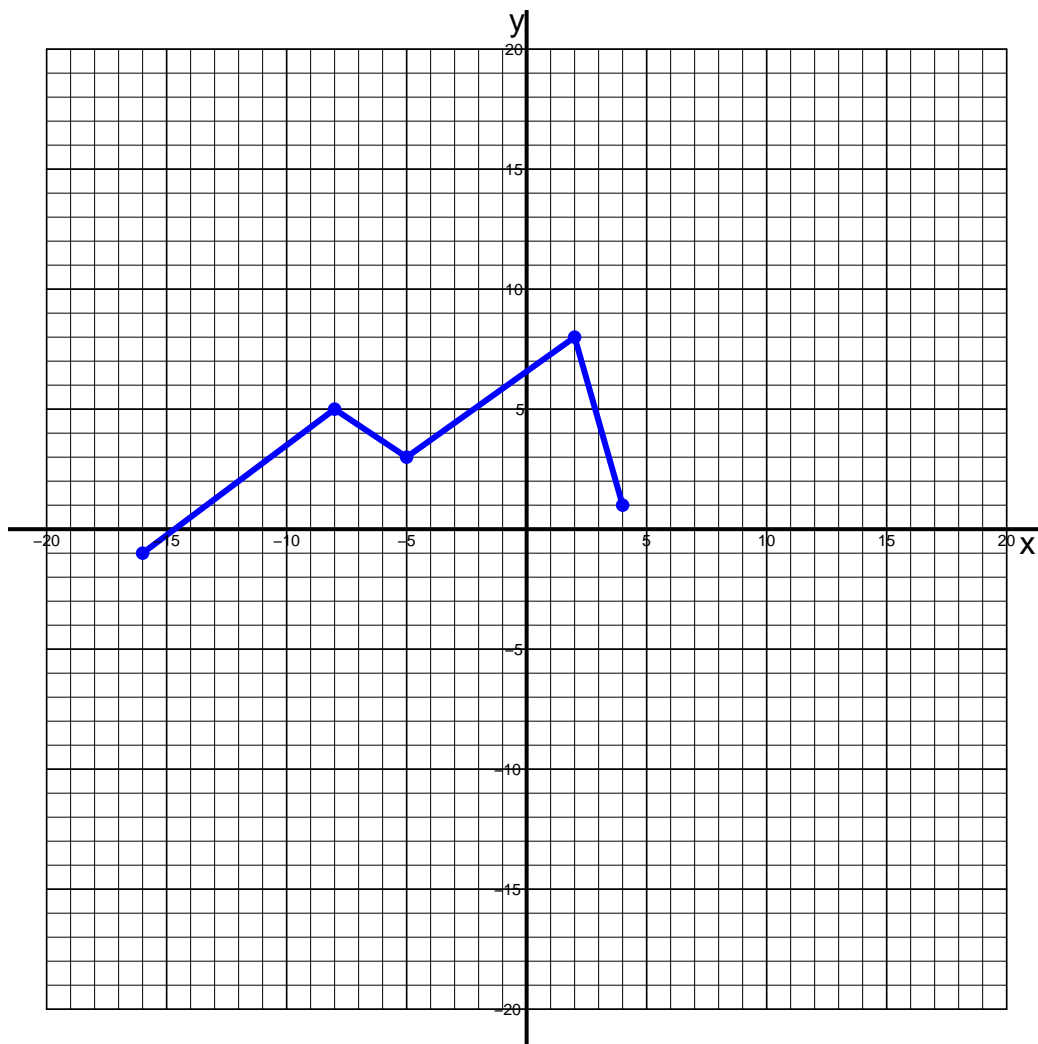


Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 13)

1. Curve  $y = f[x]$  is plotted below.

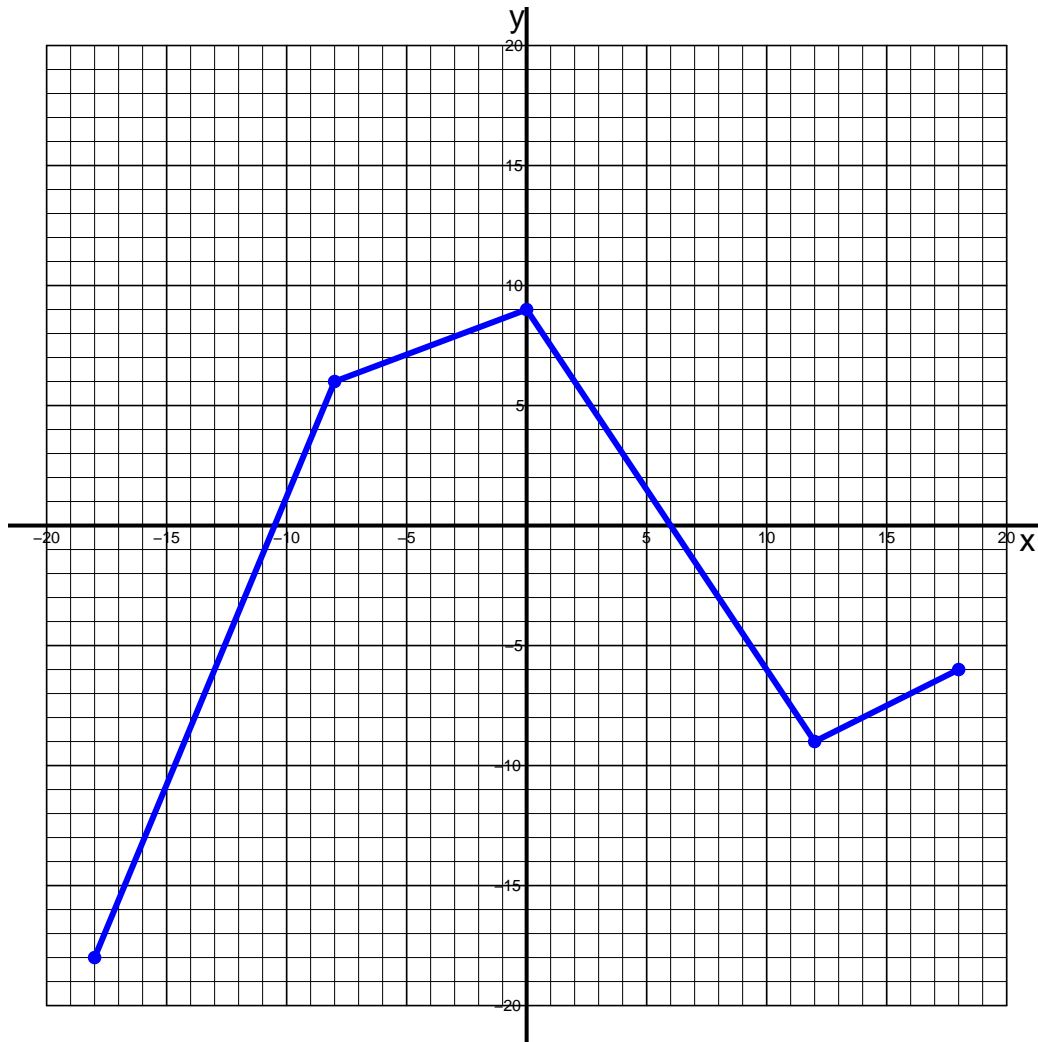


On the same plane, please draw the curve represented by the equation below:

$$y = 3 \cdot \left( f\left[\frac{x}{2} - 6\right] - 5 \right)$$

## PCW\_09\_23: Graphing Function Transformations (version 13)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

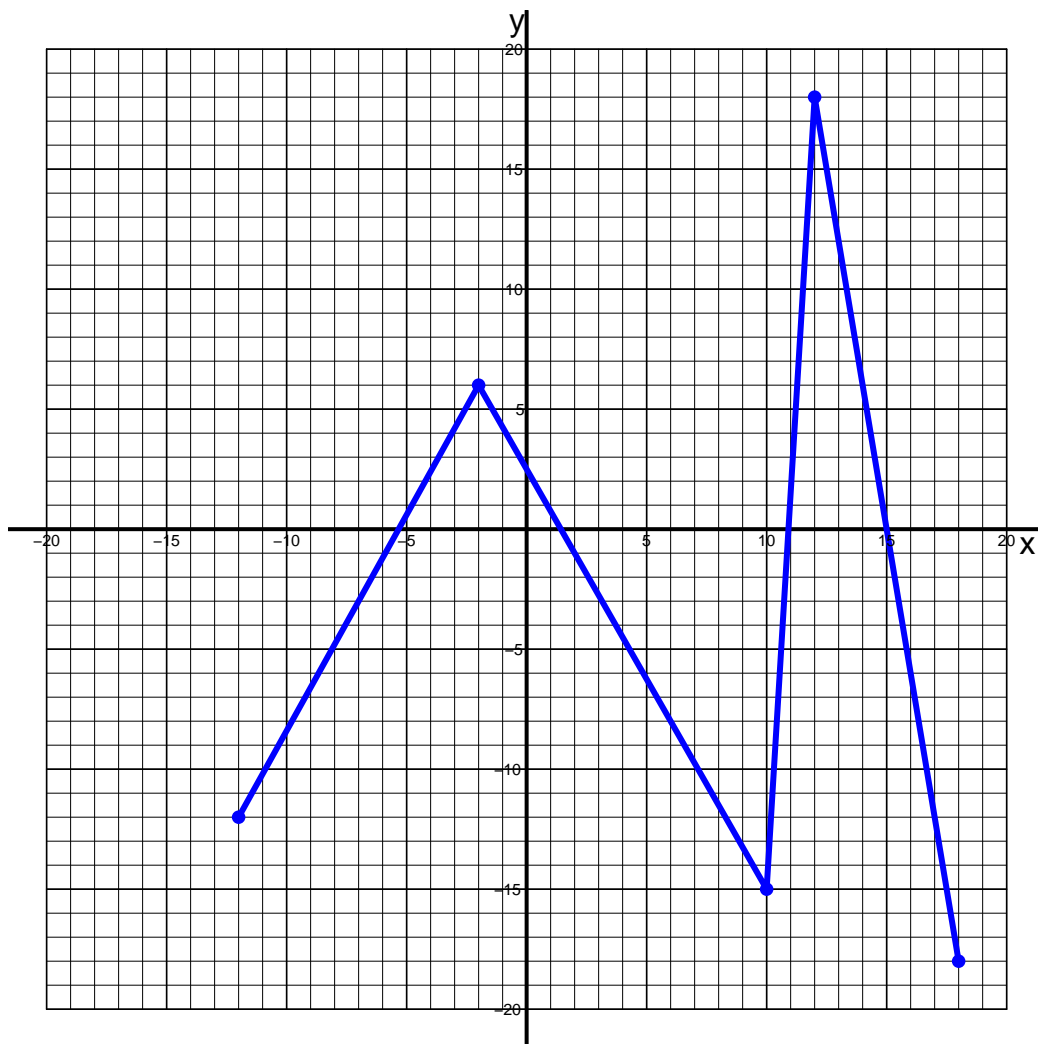
$$y = \frac{f[2(x+8)]}{3} + 5$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 14)

1. Curve  $y = f[x]$  is plotted below.

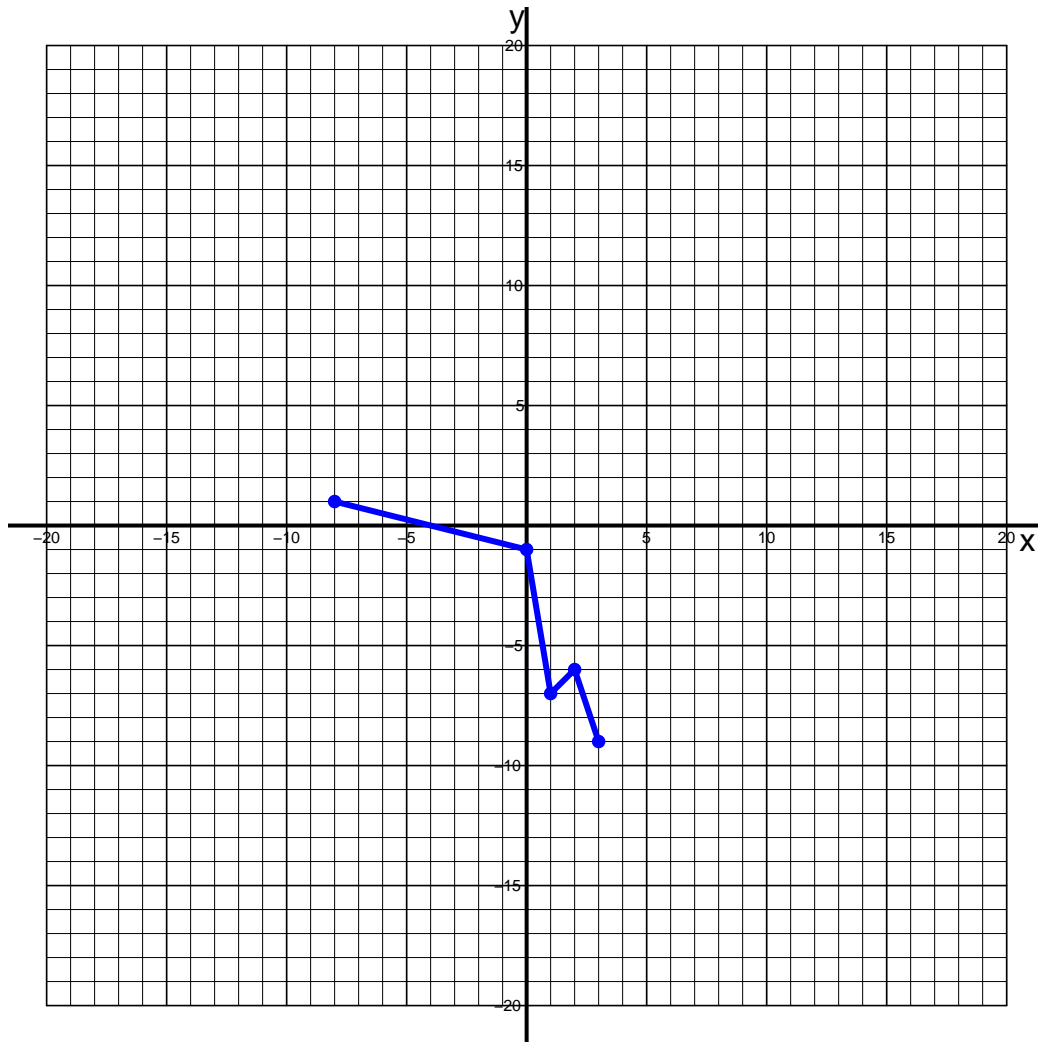


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f[2(x+7)]}{3} - 5$$

## PCW\_09\_23: Graphing Function Transformations (version 14)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

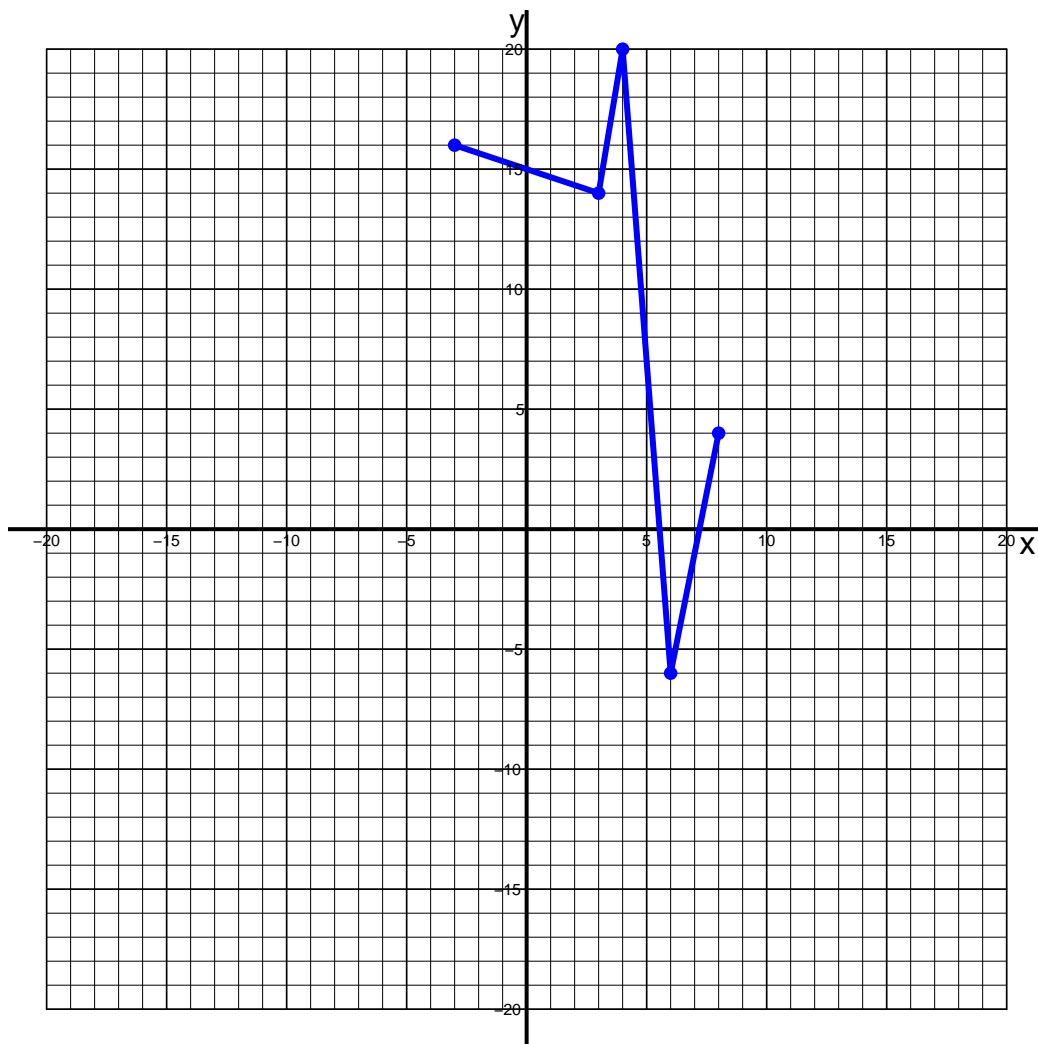
$$y = 3 \cdot \left( f\left[\frac{x}{2} - 7\right] + 5 \right)$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 15)

1. Curve  $y = f[x]$  is plotted below.

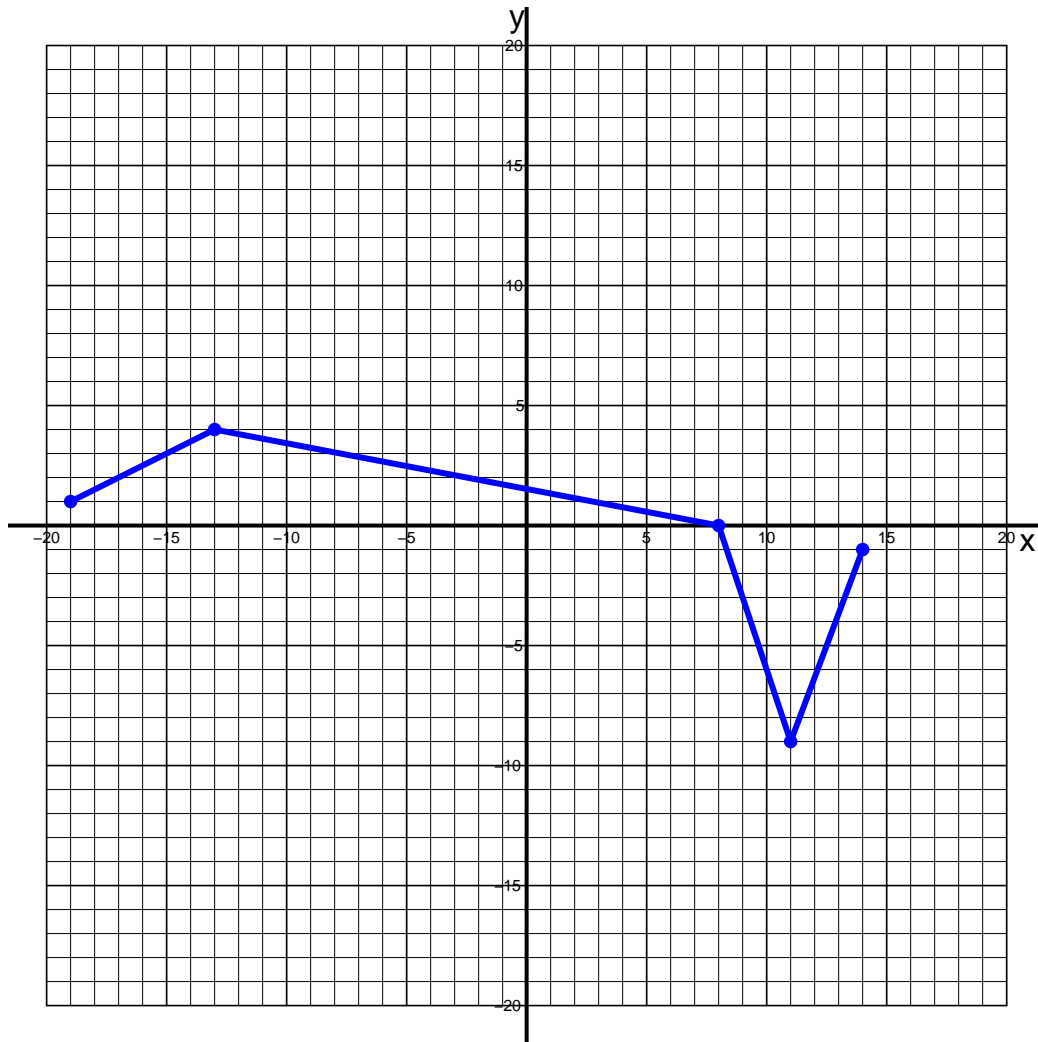


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f\left[\frac{x+8}{3}\right] - 6}{2}$$

## PCW\_09\_23: Graphing Function Transformations (version 15)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

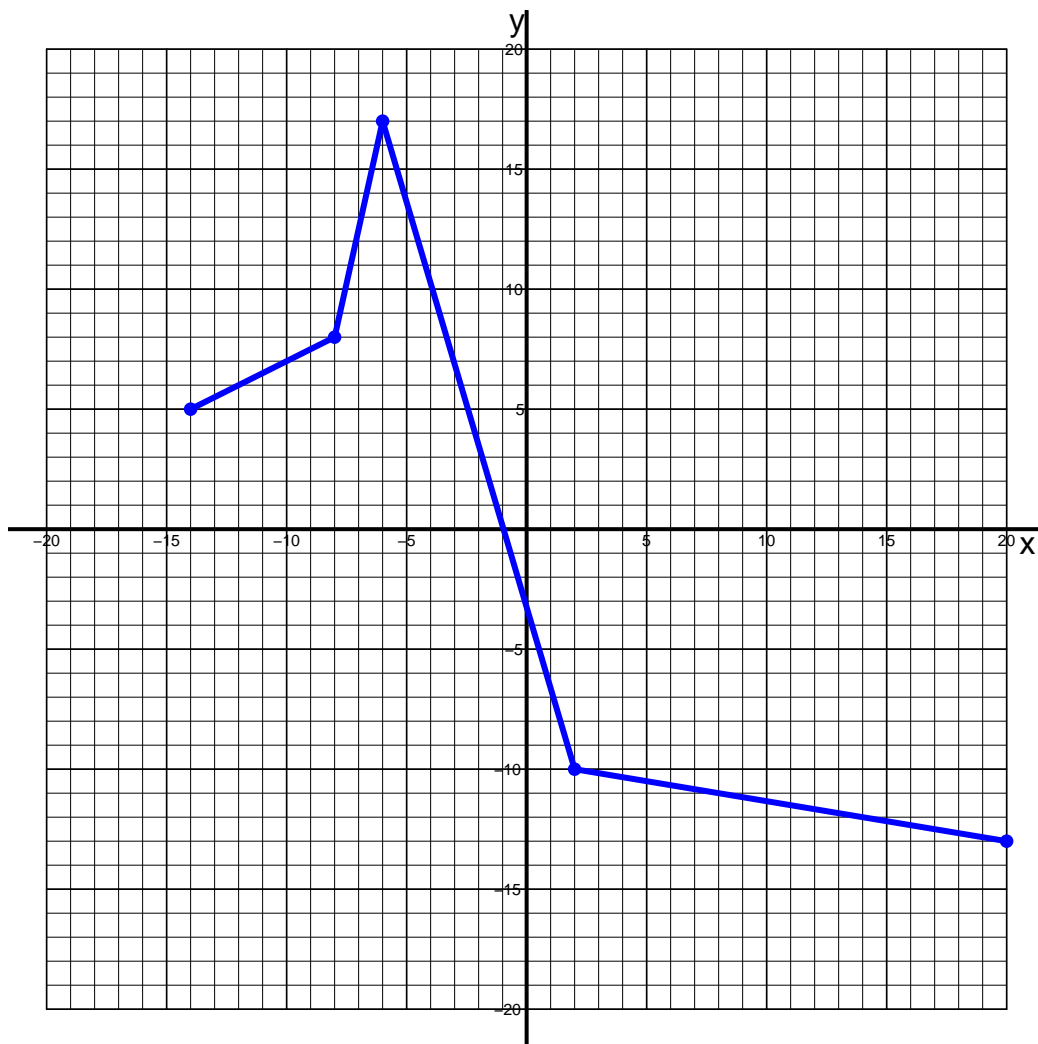
$$y = 2 \cdot f[3x - 7] + 9$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 16)

1. Curve  $y = f[x]$  is plotted below.

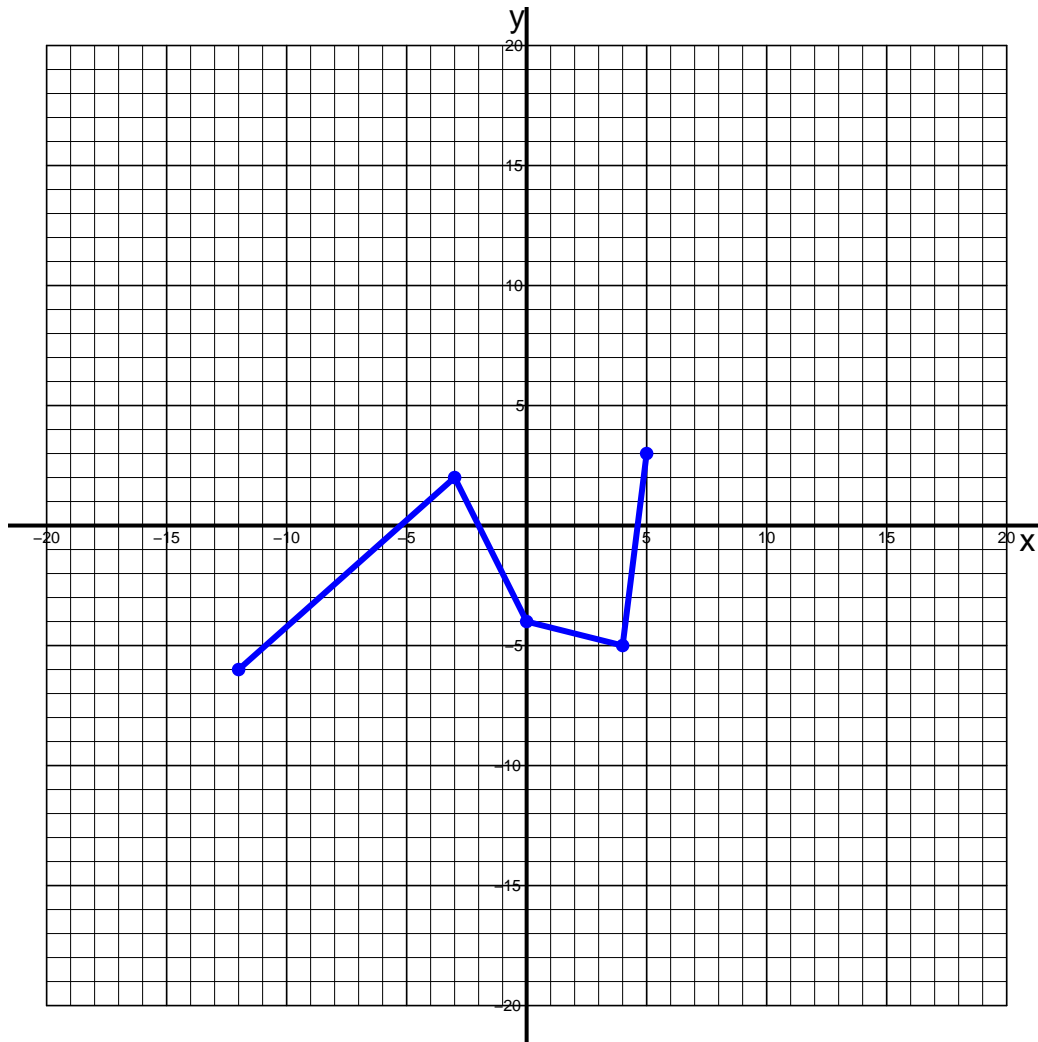


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f[2(x+8)] - 5}{3}$$

## PCW\_09\_23: Graphing Function Transformations (version 16)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

$$y = 3 \cdot f\left[\frac{x}{2} - 5\right] + 6$$

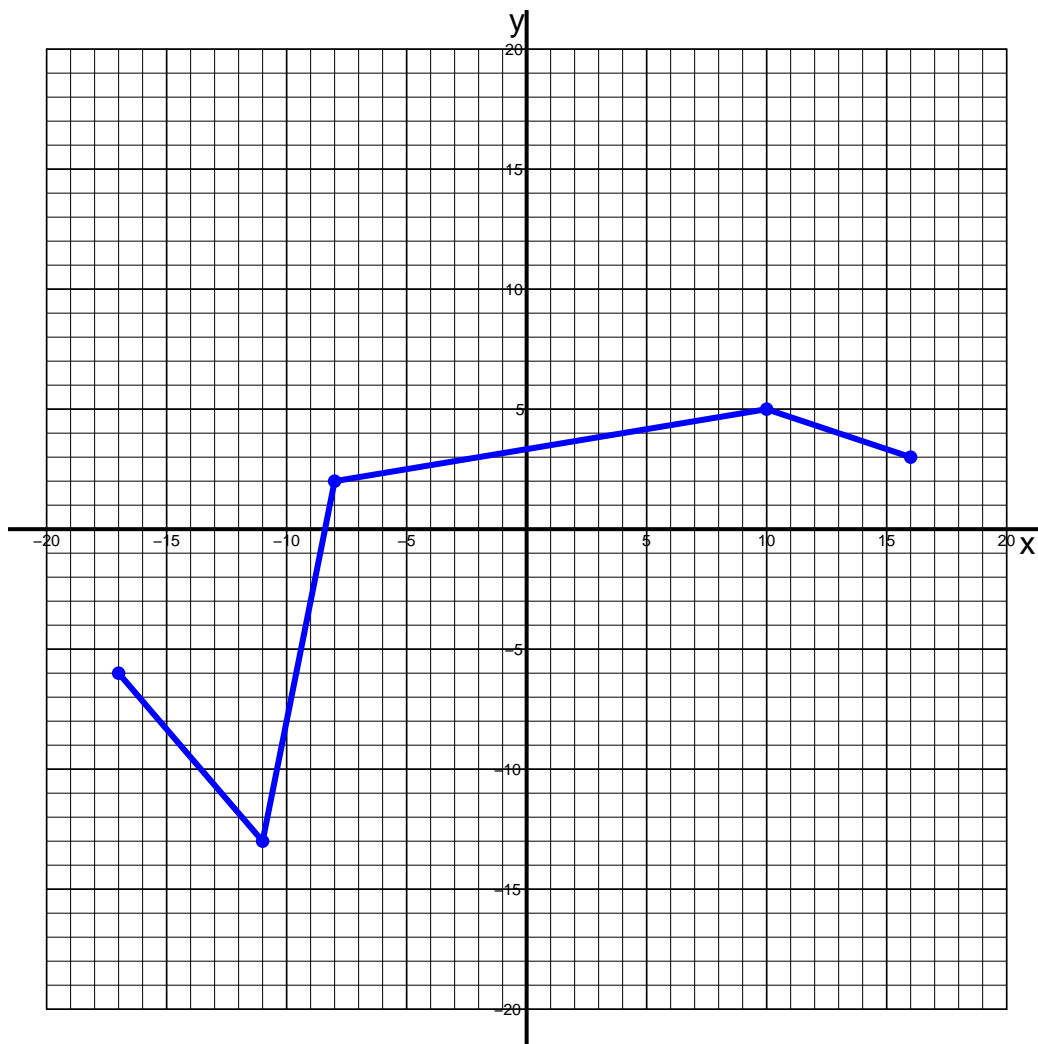


Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 17)

1. Curve  $y = f[x]$  is plotted below.

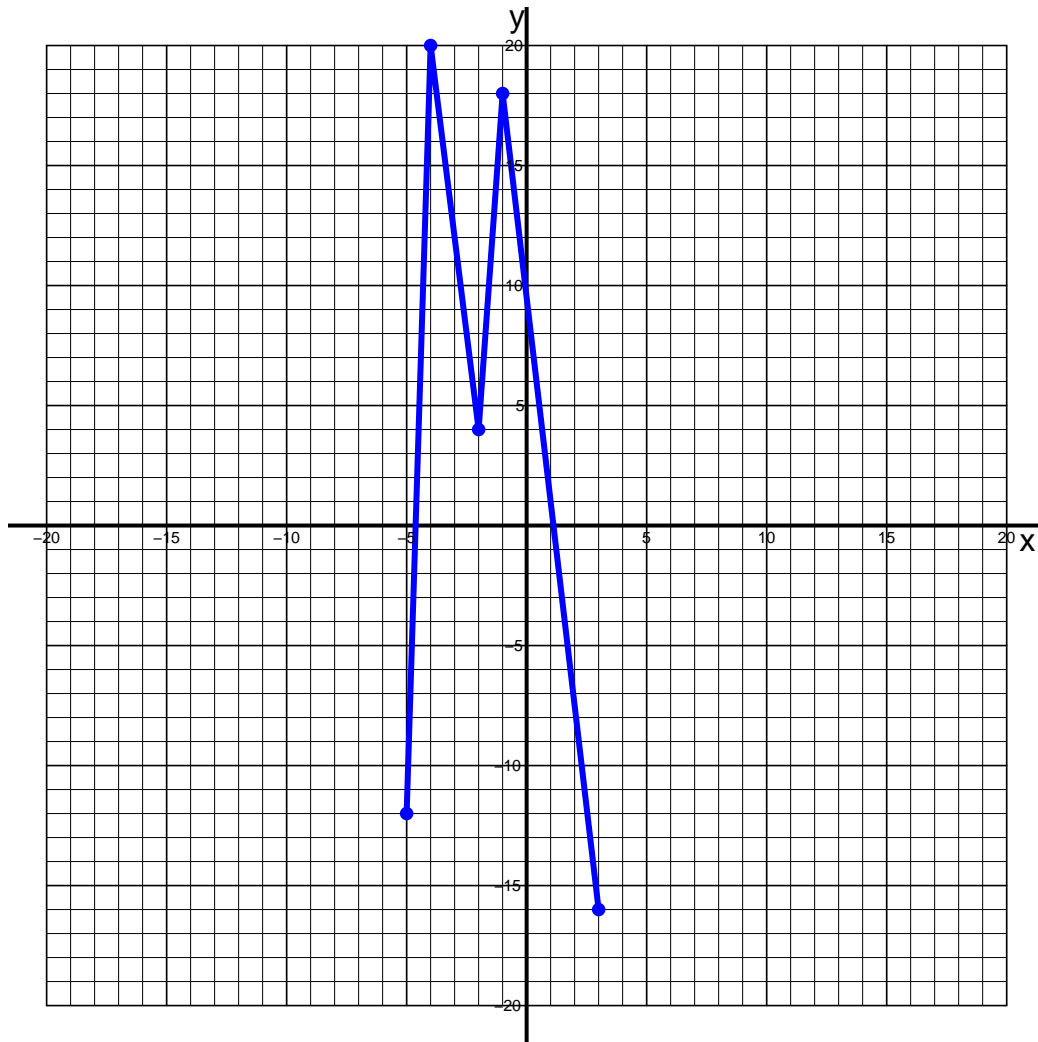


On the same plane, please draw the curve represented by the equation below:

$$y = 2 \cdot (f[3x + 7] + 5)$$

## PCW\_09\_23: Graphing Function Transformations (version 17)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

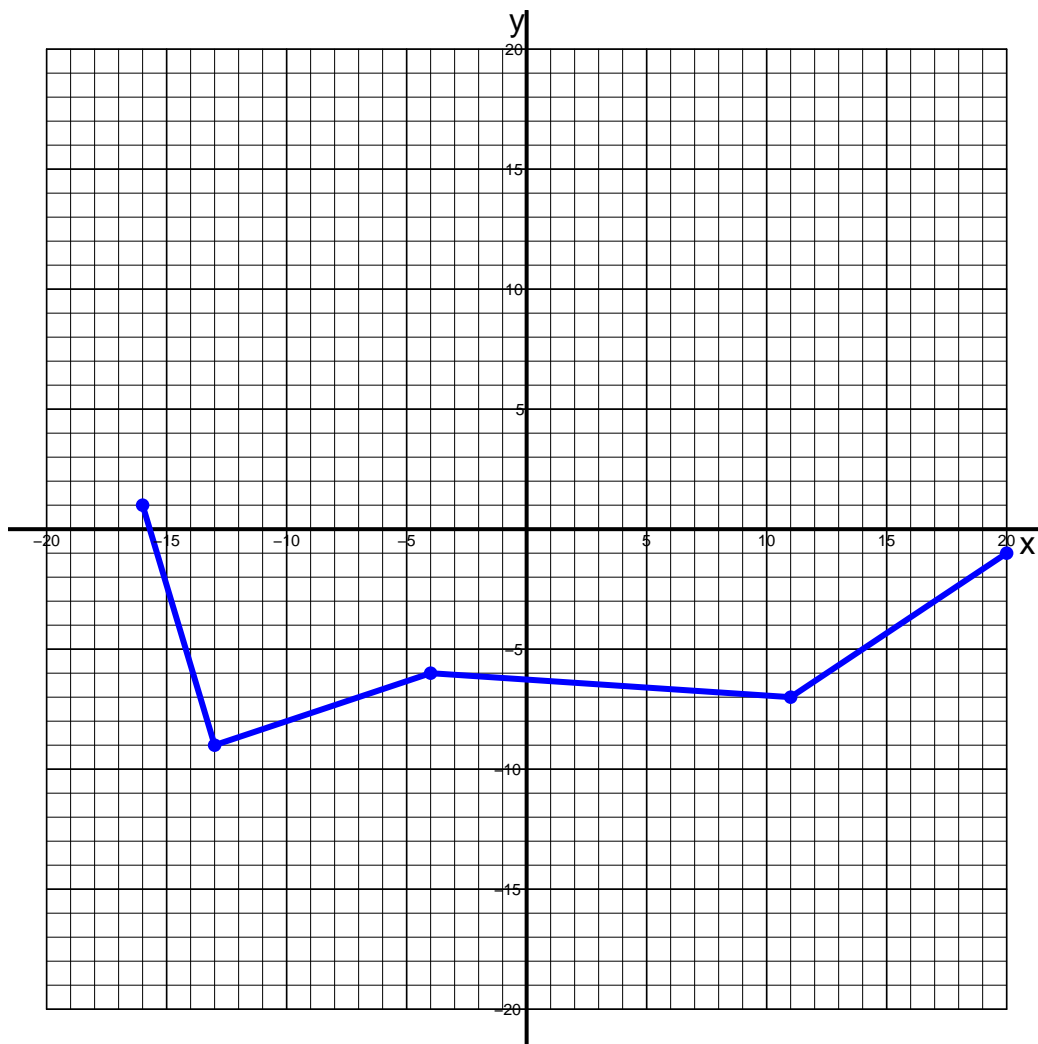
$$y = \frac{f\left[\frac{x-5}{3}\right]}{2} - 7$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 18)

1. Curve  $y = f[x]$  is plotted below.

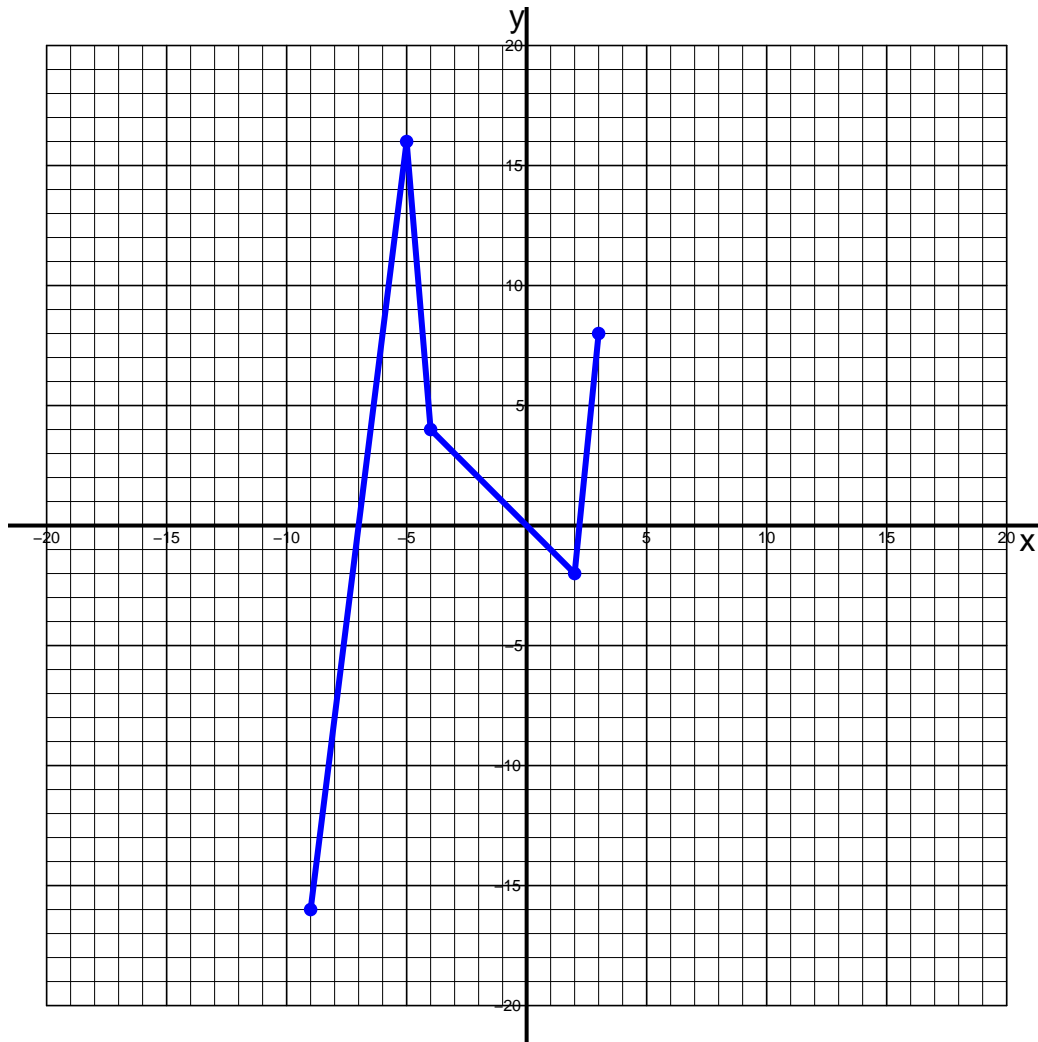


On the same plane, please draw the curve represented by the equation below:

$$y = 2 \cdot (f[3x + 8] + 5)$$

## PCW\_09\_23: Graphing Function Transformations (version 18)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

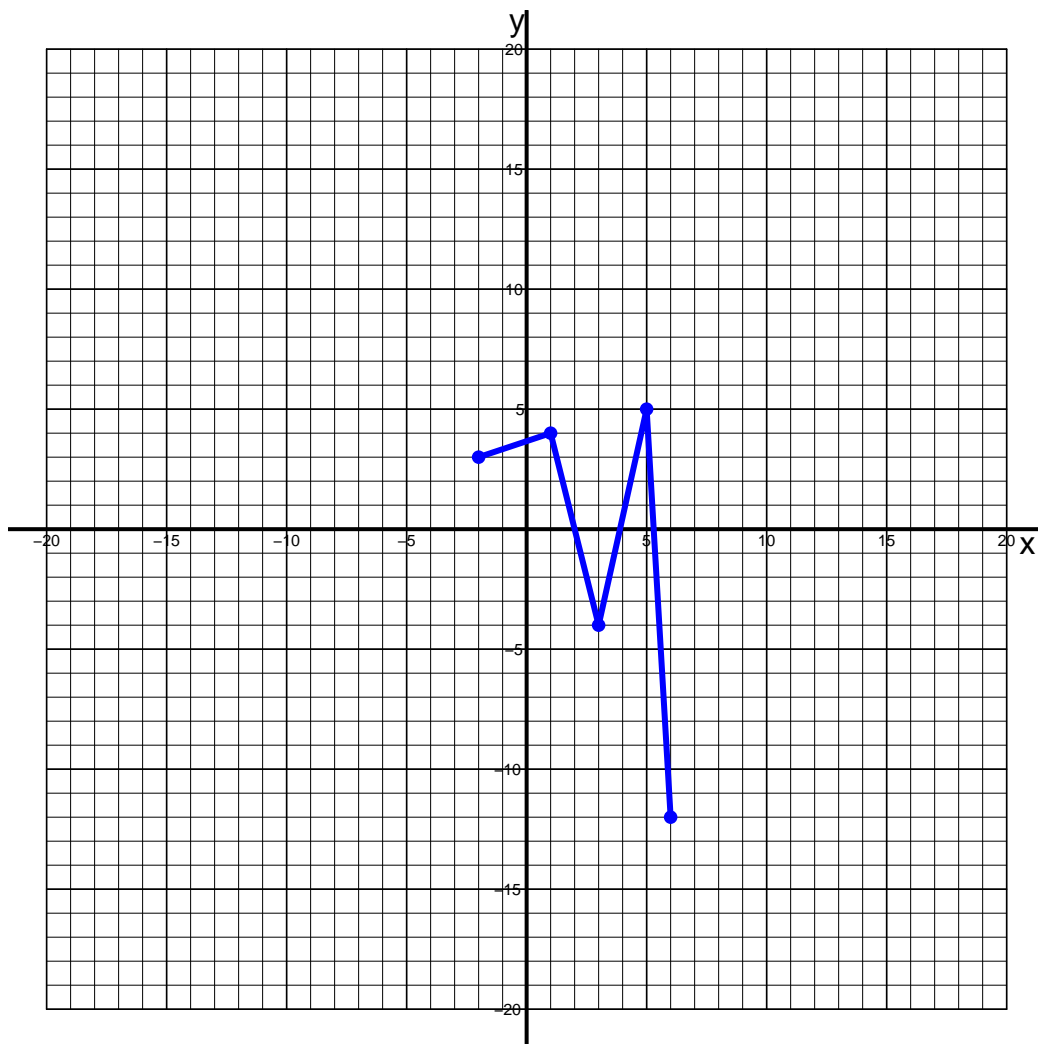
$$y = \frac{f\left[\frac{x-8}{3}\right]}{2} - 6$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 19)

1. Curve  $y = f[x]$  is plotted below.

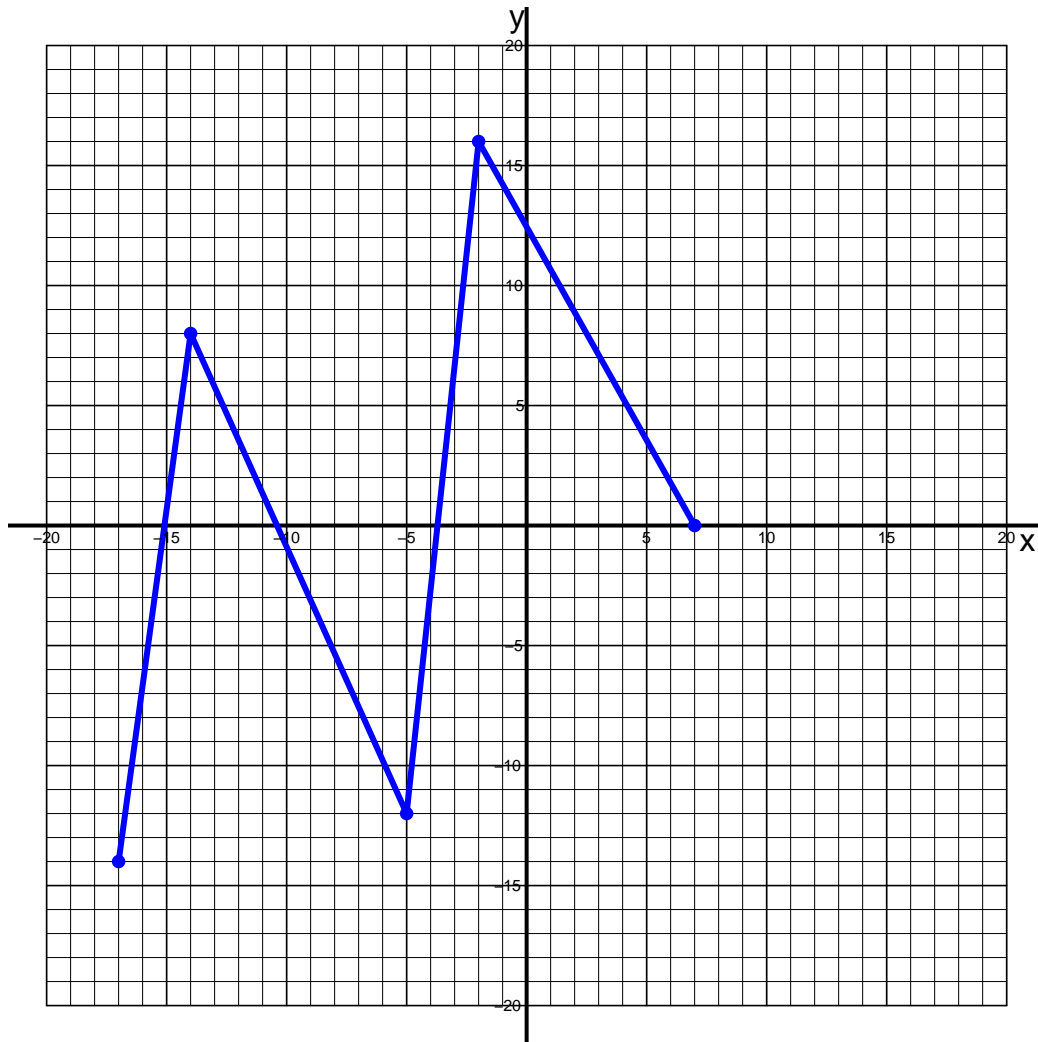


On the same plane, please draw the curve represented by the equation below:

$$y = 2 \cdot f\left[\frac{x+7}{3}\right] + 9$$

## PCW\_09\_23: Graphing Function Transformations (version 19)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

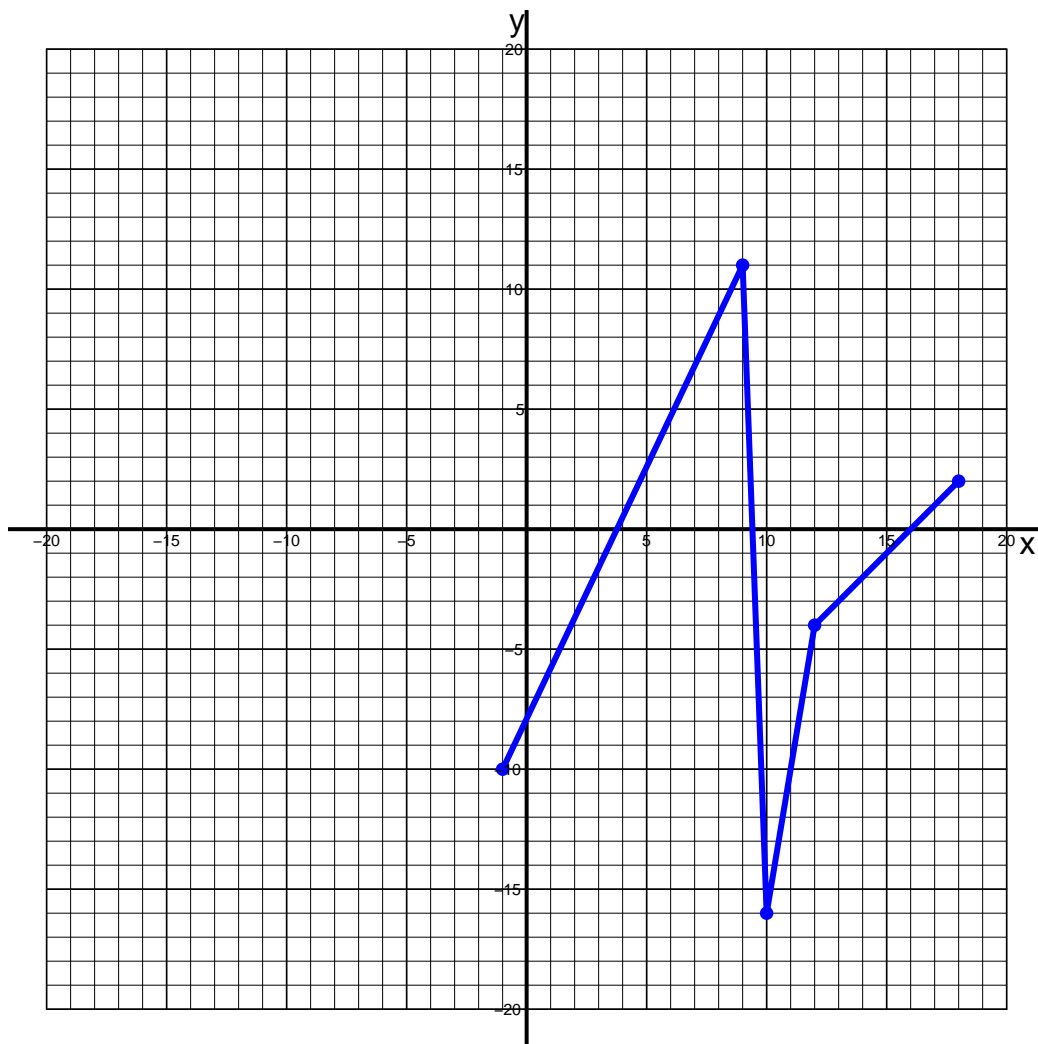
$$y = \frac{f[3x - 5] - 8}{2}$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_23: Graphing Function Transformations (version 20)

1. Curve  $y = f[x]$  is plotted below.

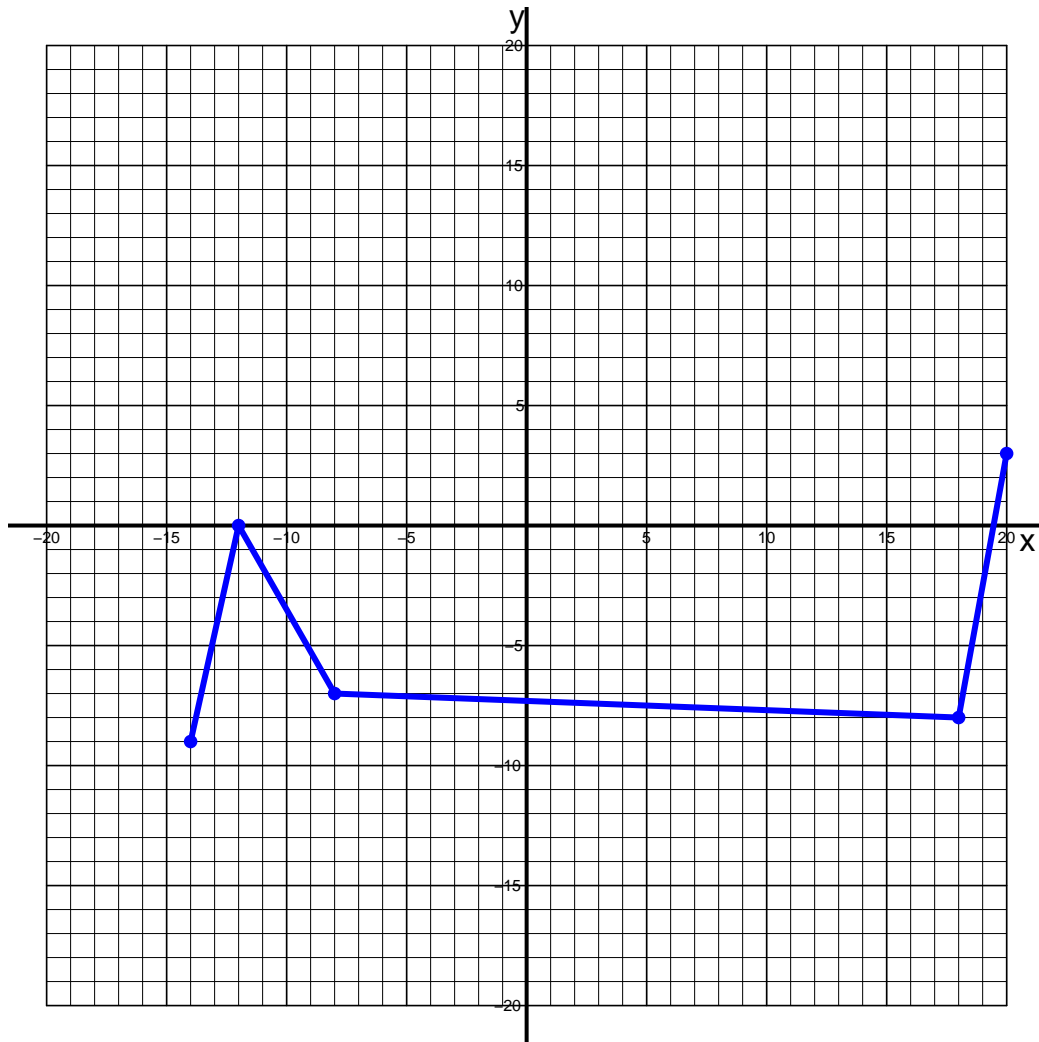


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f\left[\frac{x}{2} + 9\right] - 5}{3}$$

## PCW\_09\_23: Graphing Function Transformations (version 20)

2. Curve  $y = f[x]$  is plotted below.



On the same plane, please draw the curve represented by the equation below:

$$y = 3 \cdot f[2(x - 6)] + 9$$